

DRAFT

カラム名	説明
Fusion gene	
ChrA	5'側遺伝子のゲノム(hg38)ポジション情報
PosA	
StrandA	
InsertA	5'側介在配列, PosA-InsertA-InsertB-PosB
ChrB	3'側遺伝子のゲノム(hg38)ポジション情報
PosB	
StrandB	
InsertB	3'側介在配列, PosA-InsertA-InsertB-PosB
geneA	5'側遺伝子のトランスクリプト情報
dbA	
exA	
ChrA	
PosA	
StrandA	
geneB	3'側遺伝子のトランスクリプト情報
dbB	
exB	
ChrB	
PosB	
StrandB	
InsertB	
Complete_fusion_CDS	fusion配列のCDSチェック：接合部分情報(CDS-CDSなど)と最後以外の終始コドンが含まれる個数 (1Xは想定を読み枠で1個の終始コドンが含まれる、という意味)
Count_CosmicV90	
Count_FusionDB	データベースにおける登録数
Count_TumorFusions	
TumorFusions_tier	TumorFusionsのtier情報
TumorFusions_frame	TumorFusionsのフレーム情報

Fusion gene	ChrA	PosA	StrandA	InsertA	ChrB	PosB	StrandB	InsertB	geneA	chrA	PosA	StrandA	geneB	chrB	PosB	StrandB	InsertB	Complete_fusion_CDS	Count_Cos_micV90	Count_Fusi_onCDS	Count_Tumors	TumorFusions	TumorFusions	TumorFusions	
ABCL1-PRKCB	chr16	16090588 +	-	-	chr16	23985808 +	-	-	ABCL1	chr16	16090588 +	-	PRKCB	chr16	23985808 +	-	-	Y.CDS-CDS	0	1	1	1	1	1	In-frame
ABL1-KMT2A	chr10	26823138	-	-	chr11	118484183 +	-	-	ABL1	chr10	26823138	-	KMT2A	chr11	118484183 +	-	-	Y.CDS-CDS	0	1	0	0	0	0	-
ABL2-GAB2	chr1	179112309	-	-	chr11	78225202	-	-	ABL2	chr1	179112309	-	GAB2	chr11	78225202	-	-	Y.CDS-CDS	0	0	0	0	0	0	-
ACBDE-RRP15	chr1	180413366	-	-	chr1	218330948 +	-	-	ACBDE	chr1	180413366	-	RRP15	chr1	218330948 +	-	-	Y.CDS-CDS	2	0	0	0	0	0	-
ACSL3-ETV1	chr2	222900780 +	-	-	chr7	13935896	-	-	ACSL3	chr2	222900780 +	-	ETV1	chr7	13935896	-	-	N.SUTR-CDS	2	0	0	0	0	0	-
ACTB-GLI1	chr7	5529161	-	-	chr12	57465190 +	-	-	ACTB	chr7	5529161	-	GLI1	chr12	57465190 +	-	-	Y.CDS-CDS	1	0	0	0	0	0	-
ACTB-GLI1	chr7	5529161	-	-	chr12	57465607 +	-	-	ACTB	chr7	5529161	-	GLI1	chr12	57465607 +	-	-	Y.CDS-CDS	1	0	0	0	0	0	-
ACTB-GLI1	chr7	5529161	-	-	chr12	57465788 +	-	-	ACTB	chr7	5529161	-	GLI1	chr12	57465788 +	-	-	Y.CDS-CDS	1	0	0	0	0	0	-
ACTB-GLI1	chr7	5529161	-	-	chr12	57465192 +	-	-	ACTB	chr7	5529161	-	GLI1	chr12	57465192 +	-	-	N.CDS-CDS-5X	1	0	0	0	0	0	-
ACTB-GLI1	chr7	5529161	-	-	chr12	57465111 +	-	-	ACTB	chr7	5529161	-	GLI1	chr12	57465111 +	-	-	N.CDS-CDS-5X	1	0	0	0	0	0	-
ACTB-GLI1	chr7	5529161	-	-	chr12	57465218 +	-	-	ACTB	chr7	5529161	-	GLI1	chr12	57465218 +	-	-	N.CDS-CDS	0	0	0	0	0	0	-
ACTB-GLI1	chr7	5529161	-	-	chr12	57465607 +	-	-	ACTB	chr7	5529161	-	GLI1	chr12	57465607 +	-	-	Y.CDS-CDS	1	0	0	0	0	0	-
ACTB-GLI1	chr7	5529161	-	-	chr12	57465843 +	-	-	ACTB	chr7	5529161	-	GLI1	chr12	57465843 +	-	-	Y.CDS-CDS	1	0	0	0	0	0	-
ACTB-GLI1	chr7	5529161	-	-	chr12	57465893 +	-	-	ACTB	chr7	5529161	-	GLI1	chr12	57465893 +	-	-	Y.CDS-CDS	1	0	0	0	0	0	-
ACTB-GLI1	chr7	5530524	-	-	chr12	57465607 +	-	-	ACTB	chr7	5530524	-	GLI1	chr12	57465607 +	-	-	N.SUTR-CDS	0	0	0	0	0	0	-
ACTB-GLI1	chr7	5530524	-	-	chr12	57465607 +	-	-	ACTB	chr7	5530524	-	GLI1	chr12	57465607 +	-	-	N.SUTR-CDS	0	0	0	0	0	0	-
ACTN4-KMT2A	chr19	38647907 +	-	-	chr11	118484183 +	-	-	ACTN4	chr19	38647907 +	-	KMT2A	chr11	118484183 +	-	-	Y.CDS-CDS	1	0	0	0	0	0	-
ACVR2A-FN1	chr2	147845207 +	-	-	chr12	215424325	-	-	ACVR2A	chr2	147845207 +	-	FN1	chr12	215424325	-	-	Y.CDS-CDS	0	0	0	0	0	0	-
ADCY9-PRKCB	chr16	4113750	-	-	chr16	23985808 +	-	-	ADCY9	chr16	4113750	-	PRKCB	chr16	23985808 +	-	-	Y.CDS-CDS	0	1	1	1	1	1	In-frame
AFAP1-NTRK2	chr4	7778782	-	-	chr9	84741892 +	-	-	AFAP1	chr4	7778782	-	NTRK2	chr9	84741892 +	-	-	Y.CDS-CDS	0	1	1	1	1	1	In-frame
AFAP1-NTRK2	chr4	7778782	-	-	chr9	84741892 +	-	-	AFAP1	chr4	7778782	-	NTRK2	chr9	84741892 +	-	-	Y.CDS-CDS	0	1	1	1	1	1	In-frame
AFF1-KMT2A	chr4	87047594 +	-	-	chr11	118484183 +	-	-	AFF1	chr4	87047594 +	-	KMT2A	chr11	118484183 +	-	-	Y.CDS-CDS	0	0	0	0	0	0	-
AFF1-KMT2A	chr4	87047594 +	-	-	chr11	118488614 +	-	-	AFF1	chr4	87047594 +	-	KMT2A	chr11	118488614 +	-	-	Y.CDS-CDS	0	0	0	0	0	0	-
AFF1-KMT2A	chr4	87048164 +	-	-	chr11	118484183 +	-	-	AFF1	chr4	87048164 +	-	KMT2A	chr11	118484183 +	-	-	Y.CDS-CDS	2	0	0	0	0	0	-
AFF3-PHF1	chr2	96672538	-	-	chr6	33415590 +	-	-	AFF3	chr2	96672538	-	PHF1	chr6	33415590 +	-	-	N.CDS-CDS-29X	0	0	0	0	0	0	-
AGAP3-BRAF	chr7	15112386 +	-	-	chr7	140787584	-	-	AGAP3	chr7	15112386 +	-	BRAF	chr7	140787584	-	-	Y.CDS-CDS	0	0	0	0	0	0	-
AGBL4-ATK	chr9	84867191	-	-	chr4	84867191	-	-	AGBL4	chr9	84867191	-	ATK	chr4	84867191	-	-	Y.CDS-CDS	0	0	0	0	0	0	-
AGK-BRAF	chr7	14155567 +	-	-	chr7	140794467	-	-	AGK	chr7	14155567 +	-	BRAF	chr7	140794467	-	-	Y.CDS-CDS	0	2	2	2	2	2	In-frame
AGK-BRAF	chr7	14155567 +	-	-	chr7	140794467	-	-	AGK	chr7	14155567 +	-	BRAF	chr7	140794467	-	-	Y.CDS-CDS	0	2	2	2	2	2	In-frame
AGPAT5-MCPH1	chr8	6741751 +	-	-	chr8	6642994 +	-	-	AGPAT5	chr8	6741751 +	-	MCPH1	chr8	6642994 +	-	-	Y.CDS-CDS	2	0	0	0	0	0	-
AGTRAP-BRAF	chr1	11750771 +	-	-	chr7	140794467	-	-	AGTRAP	chr1	11750771 +	-	BRAF	chr7	140794467	-	-	N.SUTR-CDS-1X	0	0	0	0	0	0	-
AHRH-NCOA2	chr5	428006	-	-	chr8	70132002	-	-	AHRH	chr5	428006	-	NCOA2	chr8	70132002	-	-	Y.CDS-CDS	0	0	0	0	0	0	-
AHRH-NCOA2	chr5	428006	-	-	chr8	70141399	-	-	AHRH	chr5	428006	-	NCOA2	chr8	70141399	-	-	Y.CDS-CDS	0	0	0	0	0	0	-
AHRH-NCOA2	chr5	432524	-	-	chr8	70141399	-	-	AHRH	chr5	432524	-	NCOA2	chr8	70141399	-	-	Y.CDS-CDS	0	0	0	0	0	0	-
AHRH-NCOA2	chr5	434153	-	-	chr8	70141399	-	-	AHRH	chr5	434153	-	NCOA2	chr8	70141399	-	-	N.CDS-CDS-4X	0	0	0	0	0	0	-
AHRH-NCOA2	chr5	434299	-	-	chr8	70138332	-	-	AHRH	chr5	434299	-	NCOA2	chr8	70138332	-	-	Y.CDS-CDS	0	0	0	0	0	0	-
AKAP9-BRAF	chr7	92003235 +	-	-	chr7	140787584	-	-	AKAP9	chr7	92003235 +	-	BRAF	chr7	140787584	-	-	Y.CDS-CDS	7	0	0	0	0	0	-
AKAP9-BRAF	chr7	92003236 +	-	-	chr7	140787584	-	-	AKAP9	chr7	92003236 +	-	BRAF	chr7	140787584	-	-	N.ND-ND-248X	0	1	0	0	0	0	-
AKAP9-BRAF	chr7	92003236 +	-	-	chr7	140787584	-	-	AKAP9	chr7	92003236 +	-	BRAF	chr7	140787584	-	-	N.ND-ND-300X	0	1	0	0	0	0	-
ALXK	chr4	29232342	-	-	chr2	62733970	-	-	ALXK	chr4	29232342	-	ATK	chr2	62733970	-	-	N.CDS-CDS-33X	0	0	0	0	0	0	-
ANXA4-PKN1	chr2	69781574 +	-	-	chr19	14467565 +	-	-	ANXA4	chr2	69781574 +	-	PKN1	chr19	14467565 +	-	-	Y.CDS-CDS	0	1	1	1	1	1	In-frame
ARFIP1-FHDC1	chr4	152829726 +	-	-	chr4	152964905 +	-	-	ARFIP1	chr4	152829726 +	-	FHDC1	chr4	152964905 +	-	-	Y.CDS-CDS	2	0	0	0	0	0	-
ARFIP1-FHDC1	chr4	152829726 +	-	-	chr4	152964905 +	-	-	ARFIP1	chr4	152829726 +	-	FHDC1	chr4	152964905 +	-	-	Y.CDS-CDS	2	0	0	0	0	0	-
ARHGFE2-NTRK1	chr1	15590269	-	-	chr1	156874383	-	-	ARHGFE2	chr1	15590269	-	NTRK1	chr1	156874383	-	-	Y.CDS-CDS	0	0	0	0	0	0	-
ARHGFE2-NTRK1	chr1	15590269	-	-	chr1	156874383	-	-	ARHGFE2	chr1	15590269	-	NTRK1	chr1	156874383	-	-	Y.CDS-CDS	0	0	0	0	0	0	-
ARHGFE2-NTRK1	chr1	15590269	-	-	chr1	156874383	-	-	ARHGFE2	chr1	15590269	-	NTRK1	chr1	156874383	-	-	Y.CDS-CDS	0	0	0	0	0	0	-
ARID1A-MAST2	chr1	26697540 +	-	-	chr1	45824433	-	-	ARID1A	chr1	26697540 +	-	MAST2	chr1	45824433	-	-	Y.CDS-CDS	2	0	0	0	0	0	-
ARMC10-BRAF	chr7	103086764 +	-	-	chr7	140781693	-	-	ARMC10	chr7	103086764 +	-	BRAF	chr7	140781693	-	-	Y.CDS-CDS	0	0	0	0	0	0	-
ASPSCR1-TFE3	chr17	81996846 +	-	-	chrX	49034251	-	-	ASPSCR1	chr17	81996846 +	-	TFE3	chrX	49034251	-	-	Y.CDS-CDS	0	0	0	0	0	0	-
ASPSCR1-TFE3	chr17	81996846 +	-	-	chrX	49038114	-	-	ASPSCR1	chr17	81996846 +	-	TFE3	chrX	49038114	-	-	Y.CDS-CDS	0	0	0	0	0	0	-
ASPSCR1-TFE3	chr17	81996846 +	-	-	chrX	49034252	-	-	ASPSCR1	chr17	81996846 +	-	TFE3	chrX	49034252	-	-	N.CDS-ND-1X	0	0	0	0	0	0	-
ATF1-EWSR1	chr12	50796009 +	-	-	chr12	29282806	-	-	ATF1	chr12	50796009 +	-	EWSR1	chr12	29282806	-	-	Y.CDS-CDS	2	0	0	0	0	0	-
ATF1-EWSR1	chr12	50796009 +	-	-	chr22	29288606	-	-	ATF1	chr12	50796009 +	-	EWSR1	chr22	29288606	-	-	Y.CDS-CDS	0						

COL1A1-PDGFβ	chr17	50187015	-	chr22	39235874	-	COL1A1	NM_000088	47	chr17	50187015	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	6	0	0	-
COL1A1-PDGFβ	chr17	50187484	-	chr22	39235874	-	COL1A1	NM_000088	46	chr17	50187484	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	34	0	0	-
COL1A1-PDGFβ	chr17	50187676	-	chr22	39235874	-	COL1A1	NM_000088	45	chr17	50187676	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	20	0	0	-
COL1A1-PDGFβ	chr17	50188096	-	chr22	39235874	-	COL1A1	NM_000088	44	chr17	50188096	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	20	0	0	-
COL1A1-PDGFβ	chr17	50188530	-	chr22	39235874	-	COL1A1	NM_000088	43	chr17	50188530	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	23	0	0	-
COL1A1-PDGFβ	chr17	50188742	-	chr22	39235874	-	COL1A1	NM_000088	42	chr17	50188742	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	2	0	0	-
COL1A1-PDGFβ	chr17	50188903	-	chr22	39235874	-	COL1A1	NM_000088	41	chr17	50188903	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	8	0	0	-
COL1A1-PDGFβ	chr17	50189168	-	chr22	39235874	-	COL1A1	NM_000088	40	chr17	50189168	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	6	0	0	-
COL1A1-PDGFβ	chr17	50189377	-	chr22	39235874	-	COL1A1	NM_000088	39	chr17	50189377	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	12	0	0	-
COL1A1-PDGFβ	chr17	50189679	-	chr22	39235874	-	COL1A1	NM_000088	38	chr17	50189679	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	2	0	0	-
COL1A1-PDGFβ	chr17	50189859	-	chr22	39235874	-	COL1A1	NM_000088	37	chr17	50189859	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	8	0	0	-
COL1A1-PDGFβ	chr17	50190001	-	chr22	39235874	-	COL1A1	NM_000088	36	chr17	50190001	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	6	0	0	-
COL1A1-PDGFβ	chr17	50190327	-	chr22	39235874	-	COL1A1	NM_000088	35	chr17	50190327	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	0	0	0	-
COL1A1-PDGFβ	chr17	50190543	-	chr22	39235874	-	COL1A1	NM_000088	34	chr17	50190543	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	8	0	0	-
COL1A1-PDGFβ	chr17	50190817	-	chr22	39235874	-	COL1A1	NM_000088	33	chr17	50190817	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	16	0	0	-
COL1A1-PDGFβ	chr17	50191383	-	chr22	39235874	-	COL1A1	NM_000088	32	chr17	50191383	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	32	0	0	-
COL1A1-PDGFβ	chr17	50191788	-	chr22	39235874	-	COL1A1	NM_000088	31	chr17	50191788	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	8	0	0	-
COL1A1-PDGFβ	chr17	50191980	-	chr22	39235874	-	COL1A1	NM_000088	30	chr17	50191980	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	2	0	0	-
COL1A1-PDGFβ	chr17	50192475	-	chr22	39235874	-	COL1A1	NM_000088	29	chr17	50192475	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	22	0	0	-
COL1A1-PDGFβ	chr17	50192797	-	chr22	39235874	-	COL1A1	NM_000088	27	chr17	50192797	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	2	0	0	-
COL1A1-PDGFβ	chr17	50192994	-	chr22	39235874	-	COL1A1	NM_000088	26	chr17	50192994	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	16	0	0	-
COL1A1-PDGFβ	chr17	50193943	-	chr22	39235874	-	COL1A1	NM_000088	25	chr17	50193943	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	44	0	0	-
COL1A1-PDGFβ	chr17	50194130	-	chr22	39235874	-	COL1A1	NM_000088	24	chr17	50194130	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	0	0	0	-
COL1A1-PDGFβ	chr17	50194349	-	chr22	39235874	-	COL1A1	NM_000088	23	chr17	50194349	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	2	0	0	-
COL1A1-PDGFβ	chr17	50194573	-	chr22	39235874	-	COL1A1	NM_000088	22	chr17	50194573	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	0	0	0	-
COL1A1-PDGFβ	chr17	50195047	-	chr22	39235874	-	COL1A1	NM_000088	20	chr17	50195047	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	2	0	0	-
COL1A1-PDGFβ	chr17	50195232	-	chr22	39235874	-	COL1A1	NM_000088	19	chr17	50195232	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	4	0	0	-
COL1A1-PDGFβ	chr17	50195434	-	chr22	39235874	-	COL1A1	NM_000088	18	chr17	50195434	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	4	0	0	-
COL1A1-PDGFβ	chr17	50195567	-	chr22	39235874	-	COL1A1	NM_000088	17	chr17	50195567	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	2	0	0	-
COL1A1-PDGFβ	chr17	50195923	-	chr22	39235874	-	COL1A1	NM_000088	16	chr17	50195923	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	2	0	0	-
COL1A1-PDGFβ	chr17	50195927	-	chr22	39235874	-	COL1A1	ENST00000225964	16	chr17	50195927	-	PDGFB	ENST00000225964	16	chr17	50195927	-	N.CDS-CDS	3	0	0	-
COL1A1-PDGFβ	chr17	50196155	-	chr22	39235874	-	COL1A1	NM_000088	15	chr17	50196155	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	2	0	0	-
COL1A1-PDGFβ	chr17	50196314	-	chr22	39235874	-	COL1A1	NM_000088	14	chr17	50196314	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	2	0	0	-
COL1A1-PDGFβ	chr17	50196484	-	chr22	39235874	-	COL1A1	NM_000088	13	chr17	50196484	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	4	0	0	-
COL1A1-PDGFβ	chr17	50197010	-	chr22	39235874	-	COL1A1	NM_000088	11	chr17	50197010	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	4	0	0	-
COL1A1-PDGFβ	chr17	50197180	-	chr22	39235874	-	COL1A1	NM_000088	10	chr17	50197180	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	4	0	0	-
COL1A1-PDGFβ	chr17	50197372	-	chr22	39235874	-	COL1A1	NM_000088	9	chr17	50197372	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	0	0	0	-
COL1A1-PDGFβ	chr17	50197949	-	chr22	39235874	-	COL1A1	NM_000088	8	chr17	50197949	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	4	0	0	-
COL1A1-PDGFβ	chr17	50198161	-	chr22	39235874	-	COL1A1	NM_000088	7	chr17	50198161	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	14	0	0	-
COL1A1-PDGFβ	chr17	50198433	-	chr22	39235874	-	COL1A1	NM_000088	6	chr17	50198433	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	4	0	0	-
COL1A1-PDGFβ	chr17	50199226	-	chr22	39235874	-	COL1A1	NM_000088	5	chr17	50199226	-	PDGFB	NM_002608	2	chr22	39235874	-	YCCDS-CDS	2	0	0	-
COL1A1-PLA1	chr17	50201411	-	chr8	56179513	-	COL1A1	NM_000088	1	chr17	50201411	-	PLA1	NM_002655	2	chr8	56179513	-	N.CDS-SUTR	1X	0	0	-
COL1A1-PLA1	chr17	50201411	-	chr17	5129392	-	COL1A1	NM_000088	1	chr17	50201411	-	USP6	NM_004505	1	chr17	5129392	-	N.CDS-SUTR	18X	1	0	-
COL1A1-USP6	chr17	50201411	-	chr17	5129392	-	COL1A1	NM_000088	1	chr17	50201411	-	USP6	NM_004505	1	chr17	5129392	-	N.CDS-SUTR	3X	1	0	-
COL1A1-USP6	chr17	50201411	-	chr17	5129392	-	COL1A1	ENST00000225964	1	chr17	50201411	-	USP6	ENST00000225964	1	chr17	5129392	-	N.CDS-SUTR	3X	1	0	-
COL1A2-PLA1	chr7	94395101	-	chr8	56179513	-	COL1A2	ENST00000292768	1	chr7	94395101	-	PLA1	ENST00000292768	1	chr8	56179513	-	N.CDS-SUTR	1X	2	0	-
COL1A2-PLA1	chr7	94395101	-	chr8	56171189	-	COL1A2	ENST00000292768	1	chr7	94395101	-	PLA1	ENST00000292768	1	chr8	56171189	-	N.CDS-SUTR	1X	1	0	-
COL3A1-PLA1	chr2	188974568	-	chr8	56171189	-	COL3A1	NM_000090	1	chr2	188974568	-	PLA1	NM_002655	3	chr8	56171189	-	N.CDS-SUTR	1X	0	0	-
COL3A1-PLA1	chr2	188974568	-	chr8	56179513	-	COL3A1	NM_000090	1	chr2	188974568	-	PLA1	NM_002655	3	chr8	56179513	-	N.CDS-SUTR	1X	0	0	-
COL6A3-CSF1	chr2	237372252	-	chr1	109923203	-	COL6A3	NM_004369	11	chr2	237372252	-	CSF1	NM_000757	6	chr1	109923203	-	YCCDS-CDS	2	0	0	-
COL6A3-CSF1	chr2	237372252	-	chr1	109923203	-	COL6A3	NM_004369	9	chr2	237372252	-	CSF1	NM_000757	6	chr1	109923203	-	N.CDS-CDS	67X	0	0	-
COL6A3-CSF1	chr2	237372252	-	chr1	109923203	-	COL6A3	NM_004369	9	chr2	237372252	-	CSF1	NM_000757	6	chr1	109923203	-	N.CDS-CDS	66X	0	0	-
COL6A3-CSF1	chr2	237374429	-	chr1	109923203	-	COL6A3	NM_004369	8	chr2	237374429	-	CSF1	NM_000757	6	chr1	109923203	-	YCCDS-CDS	0	0	0	-
CREB3L2-FUS	chr7	137908252	-	chr16	31184939	-	CREB3L2	NM_194071	5	chr7	137908252	-	FUS	NM_004960	6	chr16	31184939	-	N.CDS-CDS	6X	1	0	-
CREB3L2-FUS	chr7	137908252	-	chr16	31188802	-	CREB3L2	NM_194071	5	chr7	137908252	-	FUS	NM_004960	7	chr16	31188802	-	N.CDS-CDS	5X	1	0	-
CREB3L2-FUS	chr7	137908252	-	chr16	31188802	-	CREB3L2	ENST00000330387	1	chr7	137908252	-	FUS	ENST00000330387	1	chr16	31188802	-	N.CDS-CDS	5X	1	0	-
CREB3L2-FUS	chr7	137908252	-	chr16	31185042	-	CREB3L2	ENST00000330387	1	chr7	137908252	-	FUS	ENST00000330387	1	chr16	31185042	-	YCCDS-CDS	1	0	0	-
CREB3L2-FUS	chr7	138001604	-	chr16	31188325	-	CREB3L2	NM_194071	1	chr7	138001604	-	FUS	NM_004960	8	chr16	31188325	-	N.CDS-CDS	3	0	0	-
CREBBP-BCORL1	chr16	3731192	-	chrX	130020985	-	CREBBP	NM_004380															

FUS-DDIT3	chr16	31182664 +	chr12	57517753 -	FUS	NM_004960	3	chr16	31182664 +	DDIT3	NM_004083	2	chr12	57517753 -	YCD5-SUTR	1	0	0	-
FUS-KLF17	chr16	31184002 +	GTACGGT chr1	44118850 +	FUS	NM_004960	4	chr16	31184002 +	KLF17	NM_173484	1	chr1	44118850 +	YCD5-SUTR	0	0	0	-
FUS-CREB3L2	chr16	31184362 +	CAGCACCT chr2	31184362 +	FUS	NM_004960	5	chr16	31184362 +	CREB3L2	NM_194071	5	chr12	57517753 -	YCD5-SUTR	0	0	0	-
FUS-CREB3L2	chr16	31184326 +	chr7	137908272 -	FUS	NM_004960	5	chr16	31184326 +	CREB3L2	NM_194071	5	chr7	137908272 -	YCD5-CDS	0	0	0	-
FUS-CREB3L2	chr16	31184330 +	chr7	137908268 -	FUS	ENST00000254108	-	chr16	31184330 +	CREB3L2	ENST00000330387	-	chr7	137908268 -	YCD5-CDS	1	0	0	-
FUS-POU5F1	chr16	31184373 +	aatccag chr6	31166047 +	FUS	NM_004960	5	chr16	31184373 +	POU5F1	NM_002701	2	chr6	31166047 +	YCD5-CDS	0	0	0	-
FUS-CREB3L2	chr16	31184381 +	chr7	137905848 -	FUS	ENST00000254108	-	chr16	31184381 +	CREB3L2	ENST00000330387	-	chr7	137905848 -	N.CDS-CDS	1	0	0	-
FUS-CREB3L2	chr16	31184381 +	TGGTCCAC chr7	137908366 +	FUS	NM_004960	5	chr16	31184381 +	CREB3L2	NM_194071	5	chr7	137908366 +	YCD5-CDS	0	0	0	-
FUS-ATF1	chr16	31184396 +	chr12	50814010 +	FUS	NM_004960	5	chr16	31184396 +	ATF1	NM_005171	5	chr12	50814010 +	YCD5-CDS	4	0	0	-
FUS-CREB3L2	chr16	31184396 +	chr7	137908400 -	FUS	ENST00000254108	-	chr16	31184396 +	CREB3L2	ENST00000330387	-	chr7	137908400 -	YCD5-CDS	1	0	0	-
FUS-CREB3L2	chr16	31184396 +	chr7	137908436 -	FUS	NM_004960	5	chr16	31184396 +	CREB3L2	NM_194071	5	chr7	137908436 -	YCD5-CDS	1	0	0	-
FUS-CREB3L2	chr16	31184396 +	chr7	137905848 -	FUS	NM_004960	5	chr16	31184396 +	CREB3L2	NM_194071	6	chr7	137905848 -	N.CDS-CDS	1	0	0	-
FUS-DDIT3	chr16	31184396 +	chr12	57517753 -	FUS	NM_004960	5	chr16	31184396 +	DDIT3	ENST00000547303	2	chr12	57517753 -	N.CDS-SUTR-1X	332	0	0	-
FUS-DDIT3	chr16	31184396 +	chr12	57517753 -	FUS	NM_004960	5	chr16	31184396 +	DDIT3	NM_004083	2	chr12	57517753 -	YCD5-SUTR	332	0	0	-
FUS-DDIT3	chr16	31184396 +	chr12	57517438 -	FUS	NM_004960	5	chr16	31184396 +	DDIT3	NM_004083	3	chr12	57517438 -	YCD5-SUTR	0	0	0	-
FUS-ERG	chr16	31184396 +	chr21	38383924 +	FUS	NM_004960	5	chr16	31184396 +	ERG	NM_004448	8	chr21	38383924 +	YCD5-CDS	2	0	0	-
FUS-ERG	chr16	31184398 +	chr21	38383923 -	FUS	NM_004960	6	chr16	31184398 +	ERG	NM_001136154	12	chr21	38383923 -	N.CDS-S5X	0	0	0	-
FUS-CREB3L2	chr16	31184991 +	chr7	137908349 -	FUS	NM_004960	6	chr16	31184991 +	CREB3L2	NM_194071	5	chr7	137908349 -	YCD5-CDS	0	0	0	-
FUS-CREB3L2	chr16	31185020 +	chr7	137908342 -	FUS	ENST00000254108	-	chr16	31185020 +	CREB3L2	ENST00000330387	-	chr7	137908342 -	YCD5-CDS	1	0	0	-
FUS-CREB3L2	chr16	31185037 +	chr7	137908355 -	FUS	ENST00000254108	-	chr16	31185037 +	CREB3L2	ENST00000330387	-	chr7	137908355 -	YCD5-CDS	0	0	0	-
FUS-CREB3L2	chr16	31185037 +	cacagcctg chr7	137908344 -	FUS	NM_004960	6	chr16	31185037 +	CREB3L2	NM_194071	5	chr7	137908344 -	YCD5-CDS	1	0	0	-
FUS-CREB3L2	chr16	31185044 +	chr7	137908312 -	FUS	ENST00000254108	-	chr16	31185044 +	CREB3L2	ENST00000330387	-	chr7	137908312 -	YCD5-CDS	1	0	0	-
FUS-CREB3L2	chr16	31185053 +	chr7	137908351 -	FUS	ENST00000254108	-	chr16	31185053 +	CREB3L2	ENST00000330387	-	chr7	137908351 -	YCD5-CDS	0	0	0	-
FUS-CREB3L2	chr16	31185053 +	chr7	137908351 -	FUS	ENST00000254108	-	chr16	31185053 +	CREB3L2	ENST00000330387	-	chr7	137908351 -	N.CDS-CDS-1X	1	0	0	-
FUS-CREB3L1	chr16	31185064 +	chr11	46311149 +	FUS	ENST00000254108	-	chr16	31185064 +	CREB3L1	ENST00000621158	-	chr11	46311149 +	YCD5-CDS	1	0	0	-
FUS-CREB3L2	chr16	31185070 +	chr7	137908349 -	FUS	ENST00000254108	-	chr16	31185070 +	CREB3L2	ENST00000330387	-	chr7	137908349 -	YCD5-CDS	2	0	0	-
FUS-CREB3L2	chr16	31185070 +	chr7	137908343 -	FUS	ENST00000254108	-	chr16	31185070 +	CREB3L2	ENST00000330387	-	chr7	137908343 -	YCD5-CDS	1	0	0	-
FUS-DDIT3	chr16	31185070 +	chr12	57517753 -	FUS	ENST00000254108	-	chr16	31185070 +	DDIT3	ENST00000547303	2	chr12	57517753 -	N.CDS-SUTR-2X	2	0	0	-
FUS-CREB3L2	chr16	31185075 +	chr7	137908350 -	FUS	ENST00000254108	-	chr16	31185075 +	CREB3L2	ENST00000330387	-	chr7	137908350 -	YCD5-CDS	1	0	0	-
FUS-CREB3L2	chr16	31185081 +	chr7	137908348 -	FUS	ENST00000254108	-	chr16	31185081 +	CREB3L2	ENST00000330387	-	chr7	137908348 -	YCD5-CDS	1	0	0	-
FUS-CREB3L2	chr16	31185084 +	chr7	137908349 -	FUS	ENST00000254108	-	chr16	31185084 +	CREB3L2	ENST00000330387	-	chr7	137908349 -	N.CDS-CDS	1	0	0	-
FUS-CREB3L2	chr16	31185097 +	chr7	137908373 -	FUS	ENST00000254108	-	chr16	31185097 +	CREB3L2	ENST00000330387	-	chr7	137908373 -	YCD5-CDS	1	0	0	-
FUS-CREB3L2	chr16	31185114 +	chr7	137908347 -	FUS	NM_004960	6	chr16	31185114 +	CREB3L2	NM_194071	5	chr7	137908347 -	YCD5-CDS	0	0	0	-
FUS-CREB3L2	chr16	31185115 +	chr7	137908346 -	FUS	ENST00000254108	-	chr16	31185115 +	CREB3L2	ENST00000330387	-	chr7	137908346 -	YCD5-CDS	1	0	0	-
FUS-CREB3L2	chr16	31185137 +	chr7	137908354 -	FUS	ENST00000254108	-	chr16	31185137 +	CREB3L2	ENST00000330387	-	chr7	137908354 -	YCD5-CDS	1	0	0	-
FUS-CREB3L2	chr16	31185142 +	chr7	137908307 -	FUS	ENST00000254108	-	chr16	31185142 +	CREB3L2	ENST00000330387	-	chr7	137908307 -	YCD5-CDS	1	0	0	-
FUS-CREB3L2	chr16	31185144 +	chr7	137908323 -	FUS	NM_004960	6	chr16	31185144 +	CREB3L2	NM_194071	5	chr7	137908323 -	YCD5-CDS	0	0	0	-
FUS-CREB3L2	chr16	31185150 +	chr7	137908359 -	FUS	ENST00000254108	-	chr16	31185150 +	CREB3L2	ENST00000330387	-	chr7	137908359 -	YCD5-CDS	1	0	0	-
FUS-ERG	chr16	31185169 +	chr21	38383923 -	FUS	ENST00000254108	-	chr16	31185169 +	ERG	ENST00000442448	-	chr21	38383923 -	YCD5-CDS	2	0	0	-
FUS-KLF17	chr16	31185169 +	ACCCGCC chr1	44118850 +	FUS	NM_004960	6	chr16	31185169 +	KLF17	NM_173484	1	chr1	44118850 +	YCD5-SUTR	0	0	0	-
FUS-CREB3L2	chr16	31185177 +	chr7	137908312 -	FUS	ENST00000254108	-	chr16	31185177 +	CREB3L2	ENST00000330387	-	chr7	137908312 -	YCD5-CDS	1	0	0	-
FUS-CREB3L2	chr16	31185178 +	chr7	137908316 -	FUS	ENST00000254108	-	chr16	31185178 +	CREB3L2	ENST00000330387	-	chr7	137908316 -	YCD5-CDS	1	0	0	-
FUS-ERG	chr16	31185179 +	chr11	46311032 +	FUS	NM_004960	6	chr16	31185179 +	ERG	NM_002584	5	chr11	46311032 +	N.CDS-CDS-1X	3	0	0	-
FUS-CREB3L2	chr16	31185179 +	chr7	137908346 -	FUS	NM_004960	6	chr16	31185179 +	CREB3L2	NM_194071	5	chr7	137908346 -	N.CDS-CDS-1X	31	0	0	-
FUS-CREB3L2	chr16	31185179 +	chr7	137908369 -	FUS	ENST00000254108	-	chr16	31185179 +	CREB3L2	ENST00000330387	-	chr7	137908369 -	YCD5-CDS	5	0	0	-
FUS-CREB3L2	chr16	31185179 +	chr7	137908336 -	FUS	ENST00000254108	-	chr16	31185179 +	CREB3L2	ENST00000330387	-	chr7	137908336 -	YCD5-CDS	4	0	0	-
FUS-CREB3L2	chr16	31185179 +	chr7	137908384 -	FUS	ENST00000254108	-	chr16	31185179 +	CREB3L2	ENST00000330387	-	chr7	137908384 -	YCD5-CDS	2	0	0	-
FUS-CREB3L2	chr16	31185179 +	chr7	137908393 -	FUS	ENST00000254108	-	chr16	31185179 +	CREB3L2	ENST00000330387	-	chr7	137908393 -	YCD5-CDS	2	0	0	-
FUS-CREB3L2	chr16	31185179 +	chr7	137908318 -	FUS	ENST00000254108	-	chr16	31185179 +	CREB3L2	ENST00000330387	-	chr7	137908318 -	YCD5-CDS	1	0	0	-
FUS-CREB3L2	chr16	31185179 +	chr7	137908337 -	FUS	ENST00000254108	-	chr16	31185179 +	CREB3L2	ENST00000330387	-	chr7	137908337 -	YCD5-CDS	1	0	0	-
FUS-CREB3L2	chr16	31185179 +	chr7	137908383 -	FUS	ENST00000254108	-	chr16	31185179 +	CREB3L2	ENST00000330387	-	chr7	137908383 -	N.CDS-CDS	1	0	0	-
FUS-CREB3L2	chr16	31185179 +	ATGTCT chr7	137908384 -	FUS	NM_004960	6	chr16	31185179 +	CREB3L2	NM_194071	5	chr7	137908384 -	YCD5-CDS	2	0	0	-
FUS-CREB3L2	chr16	31185179 +	CTTCCAG chr7	137908356 -	FUS	NM_004960	6	chr16	31185179 +	CREB3L2	NM_194071	5	chr7	137908356 -	YCD5-CDS	0	0	0	-
FUS-DDIT3	chr16	31185179 +	chr12	57517753 -	FUS	NM_004960	6	chr16	31185179 +	DDIT3	ENST00000547303	2	chr12	57517753 -	N.CDS-SUTR	2	0	0	-
FUS-DDIT3	chr16	31185179 +	chr12	57517753 -	FUS	NM_004960	6	chr16	31185179 +	DDIT3	NM_004083	2	chr12	57517753 -	N.CDS-SUTR-1X	2	0	0	-
FUS-ERG	chr16	31185179 +	chr21	38383923 -	FUS	NM_004960	6	chr16	31185179 +	ERG	NM_004448	8	chr21	38383923 -	YCD5-CDS	3	0	0	-
FUS-NFATC2	chr16	31185179 +	chr20	51516955 -	FUS	NM_004960	6	chr16	31185179 +	NFATC2	NM_173091	3	chr20	51516955 -	YCD5-CDS	0	0	0	-
FUS-CREB3L2	chr16	31186803 +	chr7	137908346 -	FUS	ENST00000254108	-	chr16	31186803 +	CREB3L2	ENST00000330387	-	chr7	137908346 -	YCD5-CDS	1	0	0	-
FUS-CREB3L2	chr16	31186808 +	chr7	137908359 -	FUS	ENST00000254108	-	chr16	31186808 +	CREB3L2	ENST00000330387	-	chr7	137908359 -	YCD5-CDS	1	0	0	-
FUS-CREB3L2	chr16	31186809 +	chr7	137908373 -	FUS	ENST00000254108	-	chr16	31186809 +	CREB3L2	ENST00000330387	-	chr7	137908373 -	YCD5-CDS	1	0	0	-
FUS-CREB3L2	chr16	31186809 +	GG chr7	137908287 -	FUS	NM_004960	7	chr16	31186809 +	CREB3L2	NM_194071	5	chr7	137908287 -	YCD5-CDS	0	0	0	-
FUS-CREB3L2	chr16	31186815 +	chr7	137908346 -	FUS	ENST00000254108	-	chr16	31186815 +	CREB3L2	ENST00000330387	-	chr7	137908346 -	YCD5-CDS	1	0	0	-
FUS-CREB3L2	chr16	31186826 +	chr7	137908362 -	FUS	ENST00000254108	-	chr16	31186826 +	CREB3L2	ENST00000330387	-	chr7	137908362 -	YCD5-CDS	1	0	0	-

KIAA1549-BRAF	chr7	138861139	-	chr7	140787584	-	KIAA1549	ENST00000422774	-	chr7	138861139	-	BRAF	ENST00000288602	-	chr7	140787584	-	YCCDS-CDS	660	1	1	tier2	In-frame				
KIAA1549-BRAF	chr7	138867975	-	chr7	140787584	-	KIAA1549	NM_020910	-	15	chr7	138867975	-	BRAF	NM_004333	-	9	chr7	140787584	-	YCCDS-CDS	219	0	0	0	-		
KIAA1549-BRAF	chr7	138878075	-	chr7	140787584	-	KIAA1549	NM_020910	-	15	chr7	138878075	-	BRAF	NM_004333	-	11	chr7	140787584	-	YCCDS-CDS	6	0	0	0	-		
KIAA1549-BRAF	chr7	138878075	-	chr7	140787584	-	KIAA1549	NM_020910	-	15	chr7	138878075	-	BRAF	NM_004333	-	12	chr7	140787584	-	N.CDS-CDS.30X	6	0	0	0	-		
KIAA1549-BRAF	chr7	138878075	-	chr7	140787584	-	KIAA1549	NM_020910	-	15	chr7	138878075	-	BRAF	NM_004333	-	10	chr7	140787584	-	N.CDS-CDS.30X	0	0	0	0	-		
KIAA1549-BRAF	chr7	138869538	-	chr7	140787584	-	KIAA1549	NM_020910	-	14	chr7	138869538	-	BRAF	NM_004333	-	12	chr7	140787584	-	N.CDS-CDS.66X	0	0	0	0	-		
KIAA1549-BRAF	chr7	138869538	-	chr7	140787584	-	KIAA1549	NM_020910	-	14	chr7	138869538	-	BRAF	NM_004333	-	11	chr7	140787584	-	N.CDS-CDS.38X	0	0	0	0	-		
KIAA1549-BRAF	chr7	138869538	-	chr7	140787584	-	KIAA1549	NM_020910	-	14	chr7	138869538	-	BRAF	NM_004333	-	10	chr7	140787584	-	N.CDS-CDS.66X	0	0	0	0	-		
KIAA1549-BRAF	chr7	138869538	-	chr7	140787584	-	KIAA1549	NM_020910	-	14	chr7	138869538	-	BRAF	NM_004333	-	9	chr7	140787584	-	N.CDS-CDS.38X	0	0	0	0	-		
KIAA1549-BRAF	chr7	138879538	-	chr7	140787584	-	KIAA1549	NM_020910	-	12	chr7	138879538	-	BRAF	NM_004333	-	9	chr7	140787584	-	N.CDS-CDS.64X	0	0	0	0	-		
KIAA1598-ROST1	chr10	116921434	-	chr6	117320030	-	KIAA1598	NM_001258298	-	11	chr10	116921434	-	ROST1	NM_002944	-	36	chr6	117320030	-	N.CDS-CDS.12X	0	0	0	0	-		
KIAA2026-NDT11	chr9	6007195	-	chrX	51491749	-	KIAA2026	NM_001017969	-	1	chr9	6007195	-	NDT11	NM_018159	-	2	chrX	51491749	-	N.CDS-CDS	0	0	0	0	-		
KIF5B-ALK	chr10	32017143	-	chr2	29223528	-	KIF5B	NM_004521	-	24	chr10	32017143	-	ALK	NM_004304	-	20	chr2	29223528	-	YCCDS-CDS	8	0	0	0	-		
KIF5B-RET	chr10	32017143	-	chr10	43114480	+	KIF5B	NM_004521	-	24	chr10	32017143	-	RET	NM_020975	-	11	chr10	43114480	+	YCCDS-CDS	2	0	0	0	-		
KIF5B-RET	chr10	32017143	-	chr10	43112099	+	KIF5B	NM_004521	-	24	chr10	32017143	-	RET	NM_020975	-	8	chr10	43112099	+	YCCDS-CDS	1	0	0	0	-		
KIF5B-RET	chr10	32017143	-	chr10	43111207	+	KIF5B	NM_004521	-	24	chr10	32017143	-	RET	NM_020975	-	7	chr10	43111207	+	N.CDS-CDS.49X	0	0	0	0	-		
KIF5B-RET	chr10	32017143	-	chr10	43116584	+	KIF5B	NM_004521	-	24	chr10	32017143	-	RET	NM_020975	-	12	chr10	43116584	+	N.CDS-CDS.49X	0	0	0	0	-		
KIF5B-RET	chr10	32018052	-	chr10	43116584	+	KIF5B	NM_004521	-	23	chr10	32018052	-	RET	NM_020975	-	12	chr10	43116584	+	YCCDS-CDS	5	0	0	0	-		
KIF5B-RET	chr10	32018316	-	chr10	43116584	+	KIF5B	NM_004521	-	22	chr10	32018316	-	RET	NM_020975	-	12	chr10	43116584	+	YCCDS-CDS	6	0	0	0	-		
KIF5B-ALK	chr10	32022140	-	chr2	29223528	-	KIF5B	NM_004521	-	17	chr10	32022140	-	ALK	NM_004304	-	20	chr2	29223528	-	YCCDS-CDS	4	0	0	0	-		
KIF5B-RET	chr10	32022848	-	chr10	43116584	+	KIF5B	NM_004521	-	16	chr10	32022848	-	RET	NM_020975	-	12	chr10	43116584	+	YCCDS-CDS	20	0	0	0	-		
KIF5B-ALK	chr10	32028428	-	chr2	29223528	-	KIF5B	NM_004521	-	15	chr10	32028428	-	ALK	NM_004304	-	20	chr2	29223528	-	N.CDS-CDS.57X	4	0	0	0	-		
KIF5B-ALK	chr10	32028428	-	chr2	29223528	-	KIF5B	ENST000003020418	-	15	chr10	32028428	-	ALK	ENST00000389048	-	20	chr2	29223528	-	YCCDS-CDS	1	0	0	0	-		
KIF5B-ALK	chr10	32028428	-	chr2	29225565	-	KIF5B	NM_004521	-	15	chr10	32028428	-	ALK	NM_004304	-	19	chr2	29225565	-	N.CDS-CDS.57X	0	0	0	0	-		
KIF5B-RET	chr10	32028428	-	chr10	43116584	+	KIF5B	NM_004521	-	15	chr10	32028428	-	RET	NM_020975	-	12	chr10	43116584	+	YCCDS-CDS	76	0	0	0	-		
KIF5B-RET	chr10	32028428	-	chr10	43114587	+	KIF5B	ENST000003020418	-	15	chr10	32028428	-	RET	ENST00000355710	-	11	chr10	43114587	+	YCCDS-CDS	2	0	0	0	-		
KIF5B-RET	chr10	32028428	-	chr10	43114480	+	KIF5B	NM_004521	-	15	chr10	32028428	-	RET	NM_020975	-	11	chr10	43114480	+	N.CDS-CDS.57X	0	0	0	0	-		
KIRREL-PRKCA	chr1	158093762	+	chr17	66732688	+	KIRREL	NM_018240	-	13	chr1	158093762	+	PRKCA	NM_002737	-	9	chr17	66732688	+	YCCDS-CDS	0	0	0	0	-		
KLC1-ALK	chr14	103675001	+	chr2	29223528	-	KLC1	NM_005552	-	10	chr14	103675001	+	ALK	NM_004304	-	20	chr2	29223528	-	N.CDS-CDS	2	0	0	0	-		
KLHL7-BRAF	chr7	23125799	-	chr7	140787584	-	KLHL7	ENST00000322275	-	5	chr7	23125799	-	BRAF	ENST00000288602	-	14	chr7	140787584	-	YCCDS-CDS	0	0	0	0	-		
KLK2-ETV1	chr19	50873519	+	chr7	13931749	-	KLK2	ENST00000325321	-	1	chr19	50873519	+	ETV1	ENST00000430479	-	5	chr7	13931749	-	N.CDS-CDS	1	0	0	1	tier1		
KLK2-ETV4	chr19	50873519	+	chr17	43536479	-	KLK2	NM_005551	-	1	chr19	50873519	+	ETV4	NM_001079675	-	5	chr17	43536479	-	YCCDS-CDS	0	0	0	0	-		
KLK2-FGFR2	chr19	50873519	+	chr10	121551459	-	KLK2	NM_005551	-	1	chr19	50873519	+	FGFR2	NM_000141	-	5	chr10	121551459	-	YCCDS-CDS	0	2	3	1	tier1		
KLK2-FGFR2	chr19	50873519	+	chr10	121551459	-	KLK2	ENST00000358049	-	1	chr19	50873519	+	FGFR2	ENST00000369977	-	4	chr10	121551459	-	N.CDS-CDS	0	2	3	1	tier1		
KLK2-ETV1	chr19	50874880	+	chr7	13931749	-	KLK2	NM_005551	-	2	chr19	50874880	+	ETV1	NM_004956	-	9	chr7	13931749	-	YCCDS-CDS	0	0	0	0	-		
KMT2A-FOXK1	chr11	18436944	+	chr11	118971707	+	CGGGCCG	KMT2A	NM_001197104	-	1	chr11	18436944	+	FOXK1	NM_181721	-	1	chr11	118971707	+	CGGGCCG	N.CDS-SUTR1X	0	0	0	0	-
KMT2A-FOXK1	chr11	18436944	+	chr11	118971707	+	GTCCCG	KMT2A	NM_001197104	-	1	chr11	18436944	+	FOXK1	NM_181721	-	1	chr11	118971707	+	GTCCCG	YCCDS-SUTR2X	0	0	0	0	-
KMT2A-ELL	chr11	18473834	+	chr19	18450570	-	KMT2A	ENST00000389506	-	1	chr11	18473834	+	ELL	ENST00000262809	-	1	chr19	18450570	-	N.CDS-CDS	0	0	0	0	-		
KMT2A-MLLT10	chr11	18480238	+	chr10	21713772	+	KMT2A	NM_005933	-	6	chr11	18480238	+	MLLT10	NM_004641	-	15	chr10	21713772	+	YCCDS-CDS	1	0	0	1	tier1		
KMT2A-SEPT9	chr11	18480238	+	chr17	77307141	+	KMT2A	NM_005933	-	6	chr11	18480238	+	SEPT9	NM_001113491	-	2	chr17	77307141	+	YCCDS-CDS	2	0	0	0	-		
KMT2A-AFF1	chr11	18482011	+	chr4	87084120	+	KMT2A	ENST00000534358	-	8	chr11	18482011	+	AFF1	ENST00000307808	-	4	chr4	87084120	+	N.CDS-CDS	1	0	0	0	-		
KMT2A-AFF1	chr11	18482011	+	chr4	87090033	+	KMT2A	ENST00000534358	-	8	chr11	18482011	+	AFF1	ENST00000307808	-	4	chr4	87090033	+	YCCDS-CDS	1	0	0	0	-		
KMT2A-AFF1	chr11	18482017	+	chr4	87091793	+	KMT2A	ENST00000534358	-	8	chr11	18482017	+	AFF1	ENST00000307808	-	4	chr4	87091793	+	N.CDS-CDS.34X	1	0	0	0	-		
KMT2A-ZFYVE19	chr11	18482084	+	chr15	40809444	+	KMT2A	ENST00000534358	-	8	chr11	18482084	+	ZFYVE19	ENST00000355341	-	4	chr15	40809444	+	YCCDS-CDS	1	0	0	0	-		
KMT2A-AB2	chr11	18482092	+	chr2	203391046	+	KMT2A	ENST00000534358	-	8	chr11	18482092	+	AB2	ENST00000261017	-	2	chr2	203391046	+	N.CDS-CDS.34X	1	0	0	0	-		
KMT2A-AB2	chr11	18482092	+	chr2	203394700	+	KMT2A	ENST00000534358	-	8	chr11	18482092	+	AB2	ENST00000261017	-	2	chr2	203394700	+	N.CDS-CDS.18X	1	0	0	0	-		
KMT2A-AB2	chr11	18482092	+	chr6	167864551	+	KMT2A	ENST00000534358	-	8	chr11	18482092	+	AFF1	ENST00000392108	-	4	chr6	167864551	+	N.CDS-CDS.34X	10	0	0	0	-		
KMT2A-AFF1	chr11	18482092	+	chr4	87089884	+	KMT2A	NM_005933	-	7	chr11	18482092	+	AFF1	NM_005935	-	5	chr4	87089884	+	N.CDS-CDS.34X	1	0	0	0	-		
KMT2A-AFF1	chr11	18482092	+	chr4	87091793	+	KMT2A	NM_005933	-	7	chr11	18482092	+	AFF1	NM_005935	-	6	chr4	87091793	+	N.CDS-CDS.34X	1	0	0	0	-		
KMT2A-AFF3	chr11	18482092	+	chr2	99752301	-	KMT2A	ENST00000534358	-	8	chr11	18482092	+	AFF3	ENST00000409579	-	2	chr2	99752301	-	N.CDS-CDS.34X	1	0	0	0	-		
KMT2A-CASBPAP2	chr11	18482092	+	chr6	89865953	+	KMT2A	NM_005933	-	7	chr11	18482092	+	CASBPAP2	NM_012115	-	8	chr6	89865953	+	YCCDS-CDS	0	0	0	0	-		
KMT2A-CT45A2	chr11	18482092	+	chrX	135816271	-	KMT2A	ENST00000534358	-	8	chr11	18482092	+	CT45A2	ENST00000612907	-	1	chrX	135816271	-	N.CDS-SUTR.34X	0	0	0	0	-		
KMT2A-MLLT10	chr11	18482092	+	chr10	21713772	+	KMT2A	NM_005933	-	7	chr11	18482092	+	MLLT10	NM_004641	-	15	chr10	21713772	+	YCCDS-CDS	1	0	0	0	-		
KMT2A-MLLT10	chr11	18482092	+	chr10	21651673	+	KMT2A	NM_005933	-	7	chr11	18482092	+	MLLT10	NM_004641	-	9	chr10	21651673	+	N.CDS-CDS.34X	2	0	0				

KMT2A-MLL3	chr11	118448975	+	chr9	20365744	-	KMT2A	MM_004993	10	chr11	118448975	+	MLL3	MM_004529	6	chr9	20365744	-	YCCDS-CDS	40	0	0	-	
KMT2A-MLL3	chr11	118448975	+	chr9	20414425	-	KMT2A	MM_005933	10	chr11	118448975	+	MLL3	MM_004529	6	chr9	20414425	-	YCCDS-CDS	6	0	0	-	
KMT2A-SEPT6	chr11	118487660	+	chr9	11967566	-	KMT2A	ENST00000534358	11	chr11	118487660	+	SEPT6	ENST00000343984	6	chr9	11967566	-	YCCDS-CDS	0	0	0	-	
KMT2A-EP300	chr11	118488760	+	chr19	18472882	-	KMT2A	MM_005933	11	chr11	118488760	+	ELL	MM_006532	2	chr19	18472882	-	YCCDS-CDS	0	0	0	-	
KMT2A-SEPT6	chr11	118488760	+	chr22	41151833	+	KMT2A	MM_005933	11	chr11	118488760	+	EP300	MM_014229	15	chr22	41151833	+	YCCDS-CDS	1	0	0	-	
KMT2A-AFDN	chr11	118488760	+	chrX	119675668	-	KMT2A	ENST00000534358	11	chr11	118488760	+	SEPT6	ENST00000343984	6	chrX	119675668	-	YCCDS-CDS	0	0	0	-	
KMT2A-AFDN	chr11	118488760	+	chr6	167864551	+	KMT2A	MM_005933	20	chr11	118488760	+	AFDN	MM_00104000	2	chr6	167864551	+	YCCDS-CDS	2	0	0	-	
KMT2A-GPS2	chr19	35719890	+	chr17	167864551	+	KMT2B	MM_014727	3	chr19	35719890	+	AFDN	MM_00104000	2	chr17	167864551	+	YCCDS-CDS	1	0	0	-	
KTN1-RET	chr14	5656132	+	chr10	43116584	-	KTN1	MM_004986	29	chr14	5656132	+	GPS2	MM_004489	2	chr10	43116584	-	N.SUTR-SUTR-1X	0	0	0	-	
KYAT1-ARL1	chr9	128881897	-	chr12	101366577	-	KYAT1	MM_004059	1	chr9	128881897	-	RET	MM_020975	12	chr12	101366577	-	YCCDS-CDS	4	0	0	-	
LAMTOR1-PRKCD	chr11	72103183	-	chr3	53185604	+	LAMTOR1	MM_017907	1	chr11	72103183	-	PRKCD	MM_006254	11	chr3	53185604	+	N.SUTR-CDS	0	0	0	-	
LASP1-KMT2A	chr17	38915146	+	chr11	118484862	+	LASP1	MM_006148	6	chr17	38915146	+	KMT2A	MM_005933	10	chr11	118484862	+	YCCDS-CDS	2	0	0	-	
LIFR-PLAG1	chr5	38595261	-	chr8	56171189	-	LIFR	MM_022310	1	chr5	38595261	-	PLAG1	MM_002655	3	chr8	56171189	-	N.SUTR-SUTR-4X	6	0	0	-	
LIFR-PLAG1	chr5	38595261	-	chr8	56171189	-	LIFR	ENST00000263409	1	chr5	38595261	-	PLAG1	ENST00000316981	1	chr8	56171189	-	N.SUTR-SUTR-1X	6	0	0	-	
LIFR-PLAG1	chr5	38595261	-	chr8	56179513	-	LIFR	ENST00000263409	1	chr5	38595261	-	PLAG1	ENST00000316981	1	chr8	56179513	-	N.SUTR-SUTR-5X	1	0	0	-	
LMNA-FOS	chr1	156115274	+	CCAGGTG	75280903	+	LMNA	MM_170707	1	chr1	156115274	+	FOS	MM_002552	4	chr14	75280903	+	YCCDS-CDS.161X	0	0	0	-	
LMNA-ALK	chr1	156130773	+	chr2	2923528	-	LMNA	MM_170707	2	chr1	156130773	+	ALK	MM_004304	20	chr2	2923528	-	N.CDS-CDS	0	0	0	-	
LMNA-NTRK1	chr1	156130773	+	chr1	156874571	+	LMNA	MM_170707	2	chr1	156130773	+	NTRK1	MM_00100792	10	chr1	156874571	+	N.CDS-CDS	4	0	0	-	
LMNA-NTRK1	chr1	156130773	+	chr1	156874906	+	LMNA	ENST00000347559	1	chr1	156130773	+	NTRK1	ENST00000358660	10	chr1	156874906	+	YCCDS-CDS	0	1	0	-	
LMNA-NTRK1	chr1	156130773	+	chr1	156874906	+	LMNA	ENST00000368297	1	chr1	156130773	+	NTRK1	ENST00000358660	10	chr1	156874906	+	YCCDS-CDS	0	1	0	-	
LMNA-NTRK1	chr1	156130773	+	chr1	156874906	+	LMNA	ENST00000473598	1	chr1	156130773	+	NTRK1	ENST00000358660	10	chr1	156874906	+	YCCDS-CDS	0	1	0	-	
LMNA-NTRK1	chr1	156134528	+	chr1	156874906	+	LMNA	MM_170707	3	chr1	156134528	+	NTRK1	MM_002529	11	chr1	156874906	+	YCCDS-CDS	0	0	0	-	
LMNA-NTRK1	chr1	156137743	+	chr1	156874906	+	LMNA	MM_170707	10	chr1	156137743	+	NTRK1	MM_002529	12	chr1	156875520	+	N.CDS-CDS	0	0	0	-	
LMNA-NTRK1	chr1	156137743	+	chr1	156874906	+	LMNA	MM_170707	10	chr1	156137743	+	NTRK1	MM_002529	11	chr1	156874906	+	YCCDS-CDS	0	0	0	-	
LPP-HMG2	chr3	188708393	+	chr12	65951383	+	LPP	MM_005578	7	chr3	188708393	+	HMG2	MM_003483	4	chr12	65951383	+	N.CDS-CDS.7X	8	0	0	-	
LPP-HMG2	chr3	188708393	+	chr12	65951383	+	LPP	MM_005578	8	chr3	188708393	+	HMG2	MM_003483	4	chr12	65951383	+	YCCDS-CDS	16	0	0	-	
LRF-PLAG1	chr3	188708393	+	chr11	118488114	+	LRF	MM_005578	8	chr3	188708393	+	KMT2A	MM_005933	11	chr11	118488114	+	YCCDS-CDS	0	0	0	-	
LRIG3-ROSI	chr12	58876445	-	chr6	117321304	-	LRIG3	MM_153377	16	chr12	58876445	-	ROSI	MM_002944	35	chr6	117321304	-	YCCDS-CDS	4	0	0	-	
LRIG3-ROSI	chr12	58876445	-	chr6	117324415	-	LRIG3	MM_153377	16	chr12	58876445	-	ROSI	MM_002944	34	chr6	117324415	-	YCCDS-CDS	0	0	0	-	
LRP1-SNRNP25	chr12	57154701	+	chr16	55459	+	LRP1	MM_002332	8	chr12	57154701	+	SNRNP25	MM_024571	2	chr16	55459	+	YCCDS-CDS	0	0	0	-	
LRRF1-FGFR1	chr2	237756187	+	chr8	38418373	+	LRRF1P1	MM_004735	8	chr2	237756187	+	FGFR1	MM_023105	9	chr8	38418373	+	YCCDS-CDS	0	0	0	-	
LSM14A-BRAF	chr19	34221738	+	chr7	140787584	-	LSM14A	MM_015578	9	chr19	34221738	+	BRAF	MM_004333	9	chr7	140787584	-	YCCDS-CDS	2	0	0	-	
MAG3-AKT3	chr1	113619830	+	chr7	24369516	-	MAG3	MM_001142782	4	chr1	113619830	+	AKT3	MM_005465	2	chr7	24369516	-	YCCDS-CDS	0	0	0	-	
MAML2-CRTC1	chr11	96091892	-	chr19	18742910	-	MAML2	MM_032427	2	chr11	96091892	-	CRTC1	MM_015231	2	chr19	18742910	-	YCCDS-CDS	0	0	0	-	
MAML2-CRTC1	chr11	96341383	-	chr19	18742910	-	MAML2	ENST00000524717	1	chr11	96341383	-	CRTC1	ENST00000321949	9	chr19	18742910	-	YCCDS-CDS	10	0	0	-	
MAPRE1-KMT2A	chr20	32839856	+	chr11	118484183	+	MAPRE1	MM_012325	5	chr20	32839856	+	KMT2A	MM_005933	9	chr11	118484183	+	YCCDS-CDS	1	0	0	-	
MBOAT2-PRKCE	chr2	8882511	-	chr2	46145093	-	MBOAT2	MM_138799	6	chr2	8882511	-	PRKCE	MM_005400	12	chr2	46145093	-	YCCDS-CDS	2	0	0	-	
MBTD1-EZHP	chr17	51192203	-	chrX	51409915	+	MBTD1	ENST00000586178	1	chr17	51192203	-	EZHP	ENST00000342995	6	chrX	51409915	+	YCCDS-CDS	0	0	0	-	
MBTD1-EZHP	chr17	51192203	-	chrX	51409915	+	MBTD1	ENST00000586178	1	chr17	51192203	-	EZHP	ENST00000342995	6	chrX	51409915	+	N.CDS-SUTR.39X	0	0	0	-	
MEAFB-PHF1	chr1	37501804	-	chr6	33412248	-	MEAFB	MM_022756	5	chr1	37501804	-	PHF1	MM_024165	2	chr6	33412248	-	YCCDS-SUTR	7	0	0	-	
MED12-PRDM10	chrX	71141370	+	chr11	129923403	+	MED12	MM_005120	43	chrX	71141370	+	PRDM10	MM_020228	14	chr11	129923403	+	YCCDS-CDS	0	0	0	-	
MED12-PRDM10	chrX	71141370	+	chr11	129925229	+	MED12	MM_005120	43	chrX	71141370	+	PRDM10	MM_020228	13	chr11	129925229	+	YCCDS-CDS	0	0	0	-	
MEF2A-GRM1	chr15	99566104	+	chr6	146029200	+	MEF2A	MM_001171894	1	chr15	99566104	+	GRM1	MM_001278064	1	chr6	146029200	+	N.SUTR-SUTR	0	0	0	-	
MIR143HG-NOTCH1	chr5	149407078	+	chr9	136503330	+	MIR143HG	NR_105059	1	chr5	149407078	+	NOTCH1	MM_017617	27	chr9	136503330	+	N.SUTR-CDS	0	0	0	-	
MIR143HG-NOTCH2	chr5	149407078	+	chr9	119922778	-	MIR143HG	NR_105059	1	chr5	149407078	+	NOTCH2	MM_024408	27	chr9	119922778	-	N.SUTR-CDS	0	0	0	-	
MKRN1-BRAF	chr7	140459007	-	chr7	140787584	-	MKRN1	MM_013446	4	chr7	140459007	-	BRAF	MM_004333	11	chr7	140787584	-	YCCDS-CDS	2	1	0	-	
MKRN1-BRAF	chr7	140459007	-	chr7	140787584	-	MKRN1	MM_013446	4	chr7	140459007	-	BRAF	MM_004333	12	chr7	140787584	-	N.CDS-CDS	0	0	0	-	
MKRN1-BRAF	chr7	140459007	-	chr7	140787584	-	MKRN1	MM_013446	4	chr7	140459007	-	BRAF	MM_004333	10	chr7	140787584	-	N.CDS-CDS	0	0	0	-	
MKRN1-BRAF	chr7	140459007	-	chr7	140787584	-	MKRN1	ENST00000255977	1	chr7	140459007	-	BRAF	ENST00000288602	1	chr7	140787584	-	YCCDS-CDS	0	1	1	tier1	In-frame
MLL1-KMT2A	chr19	6262228	-	chr11	118488614	+	MLL1	ENST00000252674	4	chr19	6262228	-	KMT2A	MM_005933	10	chr11	118488614	+	YCCDS-CDS	1	0	0	-	
MLL1-KMT2A	chr19	6262228	-	chr11	118484862	+	MLL1	MM_005934	3	chr19	6262228	-	KMT2A	MM_005933	10	chr11	118484862	+	YCCDS-CDS	0	0	0	-	
MLL1-KMT2A	chr19	6262228	-	chr11	118488614	+	MLL1	ENST00000252674	4	chr19	6262228	-	KMT2A	MM_005933	10	chr11	118488614	+	YCCDS-CDS	0	0	0	-	
MLL3-KMT2A	chr9	20413721	-	chr11	118484862	+</																		

NUP214-ABL1	chr9	131215368	+	chr9	130854064	+	NUP214	ENST00000359428	chr9	131215368	+	ABL1	ENST00000318560	chr9	130854064	+	YCCDS-CDS	26	0	0	-
NUP214-ABL1	chr9	131215368	+	chr9	130854801	+	NUP214	ENST00000359428	chr9	131215368	+	ABL1	ENST00000318560	chr9	130854801	+	YCCDS-CDS	6	0	0	-
NUP214-ABL1	chr9	131222930	+	chr9	130854801	+	NUP214	ENST00000359428	chr9	131222930	+	ABL1	ENST00000318560	chr9	130854801	+	YCCDS-CDS	2	0	0	-
NUP214-ABL1	chr9	131230769	+	chr9	130854064	+	NUP214	ENST00000359428	chr9	131230769	+	ABL1	ENST00000318560	chr9	130854064	+	YCCDS-CDS	14	0	0	-
NUP214-ABL1	chr9	131230769	+	chr9	130854801	+	NUP214	ENST00000359428	chr9	131230769	+	ABL1	ENST00000318560	chr9	130854801	+	YCCDS-CDS	8	0	0	-
NUP98-KDMSA	chr11	3735191	-	chr12	293169	-	NUP98	NM_016320	13 chr11	3735191	-	KDMSA	NM_001042603	27 chr12	293169	-	YCCDS-CDS	2	0	0	-
OMD-USP6	chr9	92424202	-	chr17	5128392	-	OMD	NM_005014	1 chr9	92424202	-	USP6	NM_004505	1 chr17	5128392	-	N.SUTR-SUTR	2	0	0	-
OMD-USP6	chr9	92424202	-	chr17	5129936	-	OMD	NM_005014	1 chr9	92424202	-	USP6	NM_004505	1 chr17	5129936	-	N.SUTR-SUTR	2	0	0	-
OSBP1-BRAF	chr1	51761971	+	chr7	140783157	+	OSBP1	NM_024586	11 chr1	51761971	+	BRAF	NM_004333	10 chr7	140783157	+	YCCDS-CDS	0	0	0	-
PAH2-TBCK	chr5	13222790	-	chr4	10694680	-	PAH2	ENST00000401867	1 chr5	13222790	-	TBCK	NM_001163436	26 chr4	10694680	-	N.SUTR-CDS	0	0	0	-
PAFAH1B2-FOXR1	chr11	118971707	+	chr11	118971707	+	GTCCCTCG/PAFAH1B2	NM_002572	2 chr11	118971707	+	FOXR1	NM_181721	1 chr11	118971707	+	GTCCCTCG/YCCDS-SUTR	0	0	0	-
PAX3-FOXO1	chr2	222220140	-	chr13	40560860	-	PAX3	NM_181459	7 chr2	222220140	-	FOXO1	NM_002015	2 chr13	40560860	-	YCCDS-CDS	714	0	0	-
PAX3-FOXO1	chr2	222220140	-	chr13	40560863	-	PAX3	ENST00000336840	chr2	222220140	-	FOXO1	ENST00000379561	chr13	40560863	-	N.CDS-ND.3X	0	4	0	-
PAX3-INO80D	chr2	222220140	-	chr2	206009794	-	PAX3	NM_001127366	7 chr2	222220140	-	INO80D	NM_017759	9 chr2	206009794	-	YCCDS-CDS	0	0	0	-
PAX3-NCOA1	chr2	222220140	-	chr2	24710831	-	PAX3	NM_181459	7 chr2	222220140	-	NCOA1	ENST00000406961	14 chr2	24710831	-	YCCDS-CDS	4	0	0	-
PAX3-NCOA2	chr2	222220140	-	chr6	70148483	-	PAX3	NM_181459	7 chr2	222220140	-	NCOA2	NM_006540	12 chr6	70148483	-	YCCDS-CDS	4	0	0	-
PAX3-NCOA1	chr2	222221222	-	chr2	24726589	-	PAX3	NM_181459	6 chr2	222221222	-	NCOA1	ENST00000406961	15 chr2	24726589	-	YCCDS-CDS	4	0	0	-
PAX5-JAK2	chr9	37002648	-	chr9	5081725	-	PAX5	NM_016734	5 chr9	37002648	-	JAK2	NM_004972	19 chr9	5081725	-	YCCDS-CDS	6	0	0	-
PAX7-FOXO1	chr1	18703296	-	chr13	40560860	-	PAX7	NM_002584	7 chr1	18703296	-	FOXO1	NM_002015	2 chr13	40560860	-	YCCDS-CDS	196	0	0	-
PAX8-PPARG	chr2	113227155	-	chr3	12379704	-	PAX8	NM_003466	10 chr2	113227155	-	PPARG	NM_015869	2 chr3	12379704	-	YCCDS-CDS	27	0	0	-
PAX8-PPARG	chr2	113233394	-	chr3	12379704	-	PAX8	NM_003466	9 chr2	113233394	-	PPARG	NM_015869	2 chr3	12379704	-	YCCDS-CDS	11	0	4	1ter1
PAX8-PPARG	chr2	113241551	-	chr3	12379704	-	PAX8	NM_003466	7 chr2	113241551	-	PPARG	NM_015869	2 chr3	12379704	-	YCCDS-CDS	10	0	0	-
PCM1-JAK2	chr8	17972687	+	chr9	5069925	+	PCM1	NM_006197	23 chr8	17972687	+	JAK2	NM_004972	12 chr9	5069925	+	YCCDS-CDS	2	0	0	-
PCM1-JAK2	chr8	17980755	+	chr9	5080229	+	PCM1	NM_006197	24 chr8	17980755	+	JAK2	NM_004972	17 chr9	5080229	+	YCCDS-CDS	2	0	0	-
PCM1-JAK2	chr8	17980807	+	chr9	5064883	+	PCM1	NM_006197	26 chr8	17980807	+	JAK2	NM_004972	9 chr9	5064883	+	YCCDS-CDS	2	0	0	-
PCM1-RET	chr8	17993619	+	chr10	43116584	+	PCM1	NM_006197	29 chr8	17993619	+	RET	NM_020975	12 chr10	43116584	+	YCCDS-CDS	2	0	0	-
PCM1-JAK2	chr8	18014840	+	chr9	5069922	+	PCM1	NM_006197	36 chr8	18014840	+	JAK2	NM_004972	11 chr9	5069922	+	YCCDS-CDS	8	0	0	-
PCM1-JAK2	chr8	18014840	+	chr9	5064883	+	PCM1	NM_006197	36 chr8	18014840	+	JAK2	NM_004972	12 chr9	5064883	+	YCCDS-CDS	8	0	0	-
PHTF2-BRAF	chr7	77957504	+	chr7	140787584	+	PHTF2	NM_020432	17 chr7	77957504	+	BRAF	NM_004333	9 chr7	140787584	+	Y3UTR-CDS.1X	0	0	0	-
PJA2-BRAF	chr5	109355915	-	chr7	140781693	-	PJA2	NM_014819	7 chr5	109355915	-	BRAF	NM_004333	11 chr7	140781693	-	YCCDS-CDS	0	0	0	-
PLA2R1-RBM51	chr2	15997608	-	chr2	160303487	-	PLA2R1	NM_007366	17 chr2	15997608	-	RBM51	ENST00000392753	5 chr2	160303487	-	YCCDS-CDS	0	0	0	-
PLAG1-CTNNB1	chr8	56179109	-	chr3	41224021	-	PLAG1	NM_002655	2 chr8	56179109	-	CTNNB1	NM_001904	2 chr3	41224021	-	N.SUTR-SUTR	4	0	0	-
PLAG1-CTNNB1	chr8	56211121	-	chr3	41224021	-	PLAG1	NM_002655	1 chr8	56211121	-	CTNNB1	NM_001904	2 chr3	41224021	-	N.SUTR-SUTR	8	0	0	-
PLAG1-CTNNB1	chr8	56211121	-	chr3	41224021	-	PLAG1	ENST00000316981	2 chr8	56211121	-	CTNNB1	ENST00000349496	chr3	41224021	-	N.SUTR-SUTR	8	0	0	-
PLXND1-TMCC1	chr3	12955428	-	chr3	12955428	-	PLXND1	ENST00000324093	chr3	12955428	-	TMCC1	ENST00000393238	chr3	12955428	-	N.CDS-CDS.36X	0	0	0	1ter1
PLXND1-TMCC1	chr3	129573594	-	chr3	129573594	-	PLXND1	ENST00000324093	chr3	129573594	-	TMCC1	ENST00000393238	chr3	129573594	-	N.CDS-CDS	2	0	0	-
PLXND1-TMCC1	chr3	129573594	-	chr3	129573594	-	PLXND1	NM_015103	13 chr3	129573594	-	TMCC1	NM_001017395	4 chr3	129573594	-	YCCDS-SUTR.4X	0	0	0	-
PLXND1-TMCC1	chr3	129573594	-	chr3	129573594	-	PLXND1	ENST00000324093	chr3	129573594	-	TMCC1	ENST00000393238	chr3	129573594	-	YCCDS-CDS	2	0	0	-
PLXND1-TMCC1	chr3	129573594	-	chr3	129573594	-	PLXND1	NM_015103	12 chr3	129573594	-	TMCC1	NM_001017395	4 chr3	129573594	-	N.CDS-SUTR.14X	0	0	0	-
PML-RARA	chr15	74032408	+	chr17	40348316	+	PML	NM_033238	3 chr15	74032408	+	RARA	NM_000964	3 chr17	40348316	+	YCCDS-CDS	240	1	6	1ter1
PML-RARA	chr15	74032408	+	chr17	40348316	+	PML	ENST00000260858	chr15	74032408	+	RARA	ENST00000254066	chr17	40348316	+	N.CDS-CDS.8X	2	0	0	-
PML-RARA	chr15	74032715	+	chr17	40348316	+	PML	NM_033238	5 chr15	74032715	+	RARA	NM_000964	3 chr17	40348316	+	N.CDS-CDS.8X	2	0	0	-
PML-RARA	chr15	74033360	+	chr17	40348316	+	PML	ENST00000260858	chr15	74033360	+	RARA	ENST00000254066	chr17	40348316	+	YCCDS-CDS	1	0	0	-
PML-RARA	chr15	74033414	+	chr17	40348316	+	PML	NM_033238	6 chr15	74033414	+	RARA	NM_000964	3 chr17	40348316	+	YCCDS-CDS	418	1	7	1ter1
PML-RARA	chr15	74034530	+	chr17	40348316	+	PML	NM_033238	7 chr15	74034530	+	RARA	NM_000964	3 chr17	40348316	+	N.CDS-CDS.12X	0	0	0	-
PPFBP1-ALK	chr12	27654814	+	chr2	29223528	+	PPFBP1	NM_003622	8 chr12	27654814	+	ALK	NM_004304	20 chr2	29223528	+	N.CDS-CDS.15X	0	0	0	-
PPFBP1-ALK	chr12	27654814	+	chr2	29223528	+	PPFBP1	NM_003622	8 chr12	27654814	+	ALK	NM_004304	20 chr2	29223528	+	YCCDS-CDS	0	0	0	-
PPFBP1-ROS1	chr12	27657370	+	chr2	29223528	+	PPFBP1	NM_003622	9 chr12	27657370	+	ROS1	NM_002944	35 chr2	29223528	+	YCCDS-CDS	0	0	0	-
PPFBP1-ALK	chr12	27664446	+	chr2	29223528	+	PPFBP1	NM_003622	12 chr12	27664446	+	ALK	NM_004304	20 chr2	29223528	+	YCCDS-CDS	2	0	0	-
PPP6R3-USP6	chr11	68460827	+	chr17	5129936	+	PPP6R3	NM_018312	1 chr11	68460827	+	USP6	NM_004505	1 chr17	5129936	+	N.SUTR-SUTR	0	0	0	-
PRCC-TFE3	chr1	156768239	+	chrX	49038442	+	PRCC	ENST00000271526	chr1	156768239	+	TFE3	ENST00000315869	chrX	49038442	+	YCCDS-CDS	0	0	0	-
PRCC-TFE3	chr1	156768239	+	chrX	49038114	+	PRCC	ENST00000271526	chr1	156768239	+	TFE3	ENST00000315869	chrX	49038114	+	YCCDS-CDS	0	0	0	-
PRCC-TFE3	chr1	156782329	+	chrX	49034251	+	PRCC	ENST00000271526	chr1	156782329	+	TFE3	ENST00000315869	chrX	49034251	+	YCCDS-CDS	0	0	0	-
PRCC-TFE3	chr1	156791792	+	chrX	49038442	+	PRCC	ENST00000271526	2 chr1	156791792	+	TFE3	NM_006521	5 chrX	49038442	+	YCCDS-CDS	0	0	0	-
PRCC-TFE3	chr1	156791792	+	chrX	49034251	+	PRCC	NM_005973	4 chr1	156791792	+	TFE3	NM_006521	6 chrX	49034251	+	YCCDS-CDS	0	0	0	-
PRKAR1A-ALK	chr17	68524077	+	chr2	29223528	+	PRKAR1A	NM_002734	5 chr17	68524077	+	ALK	NM_004304	20 chr2	29223528	+	YCCDS-CDS	0	0	0	-
PRKAR1A-RET	chr17	68525912	+	chr10	43116584	+	PRKAR1A	NM_212471	7 chr17	68525912	+	RET	NM_020975	12 chr10	43116584	+	YCCDS-CDS	260	0	0	-
PRKAR1B-BRAF	chr7	579256	-	chr7	140787584	-	PRKAR1B	NM_002735	9 chr7	579256	-	BRAF	NM_004333	9 chr7	140787584	-	YCCDS-CDS	0	0	0	-
PRKAR2B-BRAF	chr7	107045214	+	chr7	140783157	+	PRKAR2B	NM_002734	1 chr7	107045214	+	BRAF	NM_004333	10 chr7	140783157	+	YCCDS-CDS	0	0	0	-
PRKCB-BRAF	chr2	29223528	+	chr2	29223528	+	PRKCB	NM_002844	1 chr2	29223528	+	BRF1	NM_004304	20 chr2	29223528	+	YCCDS-CDS	0	0	0	-
PTRK-RSPO3	chr6	12818442	-	chr6	127148648	-	PTRK	NM_002844	7 chr6	12818442	-	RSPO3	NM_032784	2 chr6	127148648	-	YCCDS-CDS	2	0	2	3ter1
PTRK-RSPO3	chr6	128520259	-	chr6	127148648	-	PTRK	NM_002844	1 chr6	128520259	-	RSPO3	NM_032784	2 chr6	127148648	-	YCCDS-CDS	8	0	6	1ter1
PTRPZ1-MET	chr7	121873557																			

SS18-SSX2	chr18	26032399	chr18	52704572	SS18	ENST00000265437	10	chr18	26032399	SSX2	ENST00000337502	4	chrX	52704572	YCCDS-CDS	0	0	0	0
SS18-SSX2	chr18	26032399	chrX	52705078	SS18	ENST00000269137	10	chr18	26032399	SSX2	ENST00000337502	4	chrX	52705078	YCCDS-CDS	0	1	0	0
SS18-SSX2	chr18	26032399	chrX	52705080	SS18	ENST00000269137	10	chr18	26032399	SSX2	ENST00000337502	4	chrX	52705080	YCCDS-CDS	0	1	0	0
SS18-SSX4B	chr18	26032399	chrX	48406079	SS18	ENST00000415083	10	chr18	26032399	SSX4B	ENST00000595235	10	chrX	48406079	YCCDS-CDS	0	0	0	0
SS18-SSX4B	chr18	26032399	chrX	48410864	SS18	ENST00000415083	10	chr18	26032399	SSX4B	ENST00000595235	10	chrX	48410864	YCCDS-CDS	0	0	0	0
SS18-SSX4B	chr18	26032399	chrX	48403556	SS18	ENST00000415083	10	chr18	26032399	SSX4B	ENST00000595235	10	chrX	48403556	YCCDS-CDS	0	0	0	0
SS18-SSX1	chr18	26035005	chrX	48258536	SS18	ENST00000415083	10	chr18	26035005	SSX1	ENST00000376919	10	chrX	48258536	YCCDS-CDS	0	0	0	0
SS18-SSX1	chr18	26035005	chrX	48261766	SS18	ENST00000415083	10	chr18	26035005	SSX1	ENST00000376919	10	chrX	48261766	YCCDS-CDS	0	0	0	0
SS18-SSX4	chr18	26035005	chrX	48389346	SS18	ENST00000415083	10	chr18	26035005	SSX4	ENST00000376919	10	chrX	48389346	YCCDS-CDS-14X	0	0	0	0
SS18L1-SSX1	chr20	82174464	chrX	48263782	SS18L1	ENST00000317558	9	chr20	82174464	SSX1	ENST00000376919	10	chrX	48263782	YCCDS-CDS	0	0	0	0
SSBP2-JAK2	chr5	81513628	chr9	50690222	SSBP2	NM_012446	5	chr5	81513628	JAK2	NM_004972	11	chr9	50690222	YCCDS-CDS	2	0	0	0
SSBP2-JAK2	chr5	81615473	chr9	50690222	SSBP2	ENST00000320672	5	chr5	81615473	JAK2	ENST00000381652	10	chr9	50690222	YCCDS-CDS	1	0	0	0
SSBP2-JAK2	chr5	81636557	chr9	50690222	SSBP2	ENST00000320672	5	chr5	81636557	JAK2	ENST00000381652	10	chr9	50690222	YCCDS-CDS	1	0	0	0
SSH2-SUZ12	chr17	29793894	chr17	31976522	SSH2	ENST00000269033	2	chr17	29793894	SUZ12	ENST00000322652	2	chr17	31976522	YCCDS-CDS	2	0	0	0
SSH2-SUZ12	chr17	29793894	chr17	31976521	SSH2	NM_035389	2	chr17	29793894	SUZ12	NM_015355	8	chr17	31976521	YCCDS-CDS	0	0	0	0
SSX1-SS18	chrX	48261815	chrX	48261815	SSX1	NM_005637	5	chrX	48261815	SS18	NM_005637	10	chr18	26018380	YCCDS-CDS	0	0	0	0
SSX2-SS18	chrX	52702581	chr18	26018380	SSX2	NM_003147	5	chrX	52702581	SS18	NM_005637	10	chr18	26018380	YCCDS-CDS	0	0	0	0
SSX2-SS18	chrX	52704497	chr18	26018380	SSX2	NM_003147	4	chrX	52704497	SS18	NM_005637	10	chr18	26018380	YCCDS-CDS-4X	0	0	0	0
ST7-MET	chr7	116953691	chr7	116953691	ST7	NM_018412	1	chr7	116953691	MET	NM_001127500	1	chr7	116953691	NCCDS-SUTR:1X	0	0	0	0
ST7-MET	chr7	116953691	chr7	116953691	ST7	ENST00000265437	1	chr7	116953691	MET	ENST00000318493	1	chr7	116953691	YCCDS-SUTR	0	0	2	1er4
ST7-MET	chr7	117020292	chr7	11699071	ST7	ENST00000393443	1	chr7	117020292	MET	ENST00000318493	1	chr7	11699071	YCCDS-SUTR	0	0	1	1er1
ST7-MET	chr7	11709036	chr7	116710936	ST7	ENST00000265437	1	chr7	11709036	MET	ENST00000318493	1	chr7	116710936	YCCDS-SUTR	0	0	1	1er1
STAT6-NAB2	chr12	57099294	chr12	57099294	STAT6	NM_001513	16	chr12	57099294	NAB2	NM_005967	7	chr12	57099294	YCCDS-CDS	1	0	0	0
STIL-TAL1	chr1	4724098	chr1	4724098	STIL	NM_003035	3	chr1	4724098	TAL1	NM_001287347	4	chr1	4724098	YCCDS-CDS	0	0	0	0
STIL-TAL1	chr1	47310276	chr1	47310276	STIL	ENST00000360380	1	chr1	47310276	TAL1	ENST00000371884	4	chr1	47310276	YCCDS-CDS	2	0	0	0
STIL-TAL1	chr1	47310276	chr1	47220174	STIL	ENST00000360380	1	chr1	47220174	TAL1	ENST00000371884	4	chr1	47220174	NCCDS-CDS	1	0	0	0
STIL-TAL1	chr1	47310276	chr1	47310276	STIL	NM_003035	2	chr1	47310276	TAL1	NM_001287347	4	chr1	47310276	NCCDS-SUTR	0	0	0	0
STIL-TAL1	chr1	47310276	chr1	47229351	STIL	ENST00000360380	1	chr1	47229351	TAL1	ENST00000371884	4	chr1	47229351	NCCDS-SUTR	4	0	0	0
STIL-TAL1	chr1	47310276	chr1	47224098	STIL	NM_003035	1	chr1	47224098	TAL1	NM_001287347	4	chr1	47224098	NCCDS-SUTR	0	0	0	0
STIL-TAL1	chr1	47310276	chr1	47310276	STIL	NM_003035	1	chr1	47310276	TAL1	NM_001287347	4	chr1	47310276	NCCDS-SUTR	0	0	0	0
STRN-ALK	chr2	36916078	chr2	29223528	STRN	NM_003162	3	chr2	36916078	ALK	NM_004304	20	chr2	29223528	YCCDS-CDS	22	2	2	1er1
STRN3-BRAF	chr14	30956280	chr7	140783157	STRN3	NM_014574	3	chr14	30956280	BRAF	NM_004333	10	chr7	140783157	YCCDS-CDS	0	0	0	0
SUSD1-ROD1	chr9	112330474	chr9	112330474	SUSD1	NM_022486	6	chr9	112330474	ROD1	NM_005156	2	chr9	112330474	NCCDS-CDS:10X	2	0	0	0
TADA2A-MAST1	chr19	12851934	chr19	12851934	TADA2A	NM_001488	15	chr19	12851934	MAST1	NM_014875	5	chr19	12851934	YCCDS-CDS	2	0	0	0
TAFF1-NRAA3	chr9	99822833	chr9	99822833	TAFF1	NM_003487	6	chr9	99822833	NRAA3	NM_006981	3	chr9	99822833	YCCDS-SUTR	27	0	0	0
TAFF1-NRAA3	chr9	99822833	chr9	99822833	TAFF1	NM_003487	6	chr9	99822833	NRAA3	NM_006981	2	chr9	99822833	YCCDS-SUTR	0	0	0	0
TANC2-PRKCA	chr17	63074014	chr17	66687111	TANC2	NM_020815	2	chr17	63074014	PRKCA	NM_002737	6	chr17	66687111	YCCDS-CDS	0	0	1	1er4
TANC2-PRKCA	chr17	63074014	chr17	66687111	TANC2	ENST00000424789	1	chr17	63074014	PRKCA	ENST00000413366	1	chr17	66687111	YCCDS-CDS	0	1	1	1er4
TANC2-PRKCA	chr17	63074014	chr17	66687111	TANC2	ENST00000389520	1	chr17	63074014	PRKCA	ENST00000413366	1	chr17	66687111	YCCDS-CDS	0	1	1	1er4
TBCK-P4HA2	chr4	106905482	chr5	132218644	TBCK	NM_01163436	25	chr4	106905482	P4HA2	ENST00000401867	3	chr5	132218644	YCCDS-SUTR	0	0	0	0
TBK1-BRAF	chr12	64464463	chr7	140783157	TBK1	NM_013254	4	chr12	64464463	BRAF	NM_004333	10	chr7	140783157	NCCDS-CDS:5X	0	0	0	0
TBL1XR1-TP63	chr3	189808272	chr3	189808272	TBL1XR1	ENST00000430069	7	chr3	189808272	TP63	ENST00000264731	1	chr3	189808272	YCCDS-CDS	11	0	0	0
TBL1XR1-TP63	chr3	177049997	chr3	177049997	TBL1XR1	ENST00000430069	7	chr3	177049997	TP63	ENST00000264731	1	chr3	177049997	YCCDS-CDS	11	0	0	0
TBL1XR1-TP63	chr3	177053773	chr3	189808272	TBL1XR1	ENST00000430069	7	chr3	177053773	TP63	ENST00000264731	1	chr3	189808272	YCCDS-CDS	1	0	0	0
TCEA1-PLAG1	chr8	54022063	chr8	56171189	TCEA1	NM_006756	1	chr8	54022063	PLAG1	NM_002655	3	chr8	56171189	YCCDS-SUTR:1X	2	0	0	0
TCF12-NRA43	chr15	57091891	chr9	99828041	TCF12	NM_207036	5	chr15	57091891	NRA43	NM_006981	3	chr9	99828041	YCCDS-SUTR	2	0	0	0
TCF3-PBX1	chr19	161986	chr1	164807542	TCF3	NM_003200	17	chr19	161986	PBX1	NM_002585	5	chr1	164807542	YCCDS-CDS	2	0	0	0
TCF3-PBX1	chr19	1619111	chr1	164792403	TCF3	NM_003200	16	chr19	1619111	PBX1	NM_002585	5	chr1	164792403	YCCDS-CDS	581	0	0	0
TCF3-PBX1	chr19	1619111	chr1	164792403	TCF3	ENST00000395423	1	chr19	1619111	PBX1	ENST00000540236	1	chr1	164792403	YCCDS-CDS	0	2	0	0
TEAD1-NCOA2	chr11	12881957	chr8	70144848	TEAD1	NM_021961	8	chr11	12881957	NCOA2	NM_006540	13	chr8	70144848	NCCDS-CDS	0	0	0	0
TECR-PKN1	chr19	14463667	chr19	14463667	TECR	NM_138501	1	chr19	14463667	PKN1	NM_002741	10	chr19	14463667	YCCDS-CDS	0	0	1	1er1
TECR-PKN1	chr19	14529711	chr19	14463667	TECR	ENST00000215567	1	chr19	14529711	PKN1	ENST00000242783	1	chr19	14463667	NCCDS-CDS	0	0	1	1er1
TECR-PKN1	chr19	14529711	chr19	14463667	TECR	ENST00000215567	1	chr19	14529711	PKN1	ENST00000242783	1	chr19	14463667	YCCDS-CDS	0	0	1	1er1
TECTA-TBCEL	chr11	12118718	chr11	12108778	TECTA	ENST00000392793	7	chr11	12118718	TBCEL	NM_001130047	8	chr11	12108778	NCCDS-CDS:14X	2	0	0	0
TEF1-NR4A3	chr11	11848183	chr11	11848183	TEF1	NM_003945	8	chr11	11848183	NR4A3	NM_005933	9	chr11	11848183	YCCDS-CDS	0	0	0	0
TEF3-ASPCR1	chrX	49038383	chrX	49038383	TEF3	ENST00000315869	1	chrX	49038383	ASPCR1	ENST00000306739	1	chrX	49038383	YCCDS-CDS	0	0	0	0
TEF3-ASPCR1	chrX	49038383	chrX	49038383	TEF3	ENST00000315869	1	chrX	49038383	ASPCR1	ENST00000306739	1	chrX	49038383	YCCDS-CDS	0	0	0	0
TEF3-ASPCR1	chrX	49038383	chrX	49038383	TEF3	ENST00000315869	1	chrX	49038383	ASPCR1	ENST00000306739	1	chrX	49038383	YCCDS-CDS	0	0	0	0
TEF3-PRCC	chrX	49039107	chr1	156782282	TEF3	ENST00000315869	1	chrX	49039107	PRCC	ENST00000271526	1	chr1	156782282	YCCDS-CDS	0	1	1	1er1
TEF3-PRCC	chrX	49039107	chr1	156786608	TEF3	ENST00000315869	1	chrX	49039107	PRCC	ENST00000271526	1	chr1	156786608	YCCDS-CDS	0	1	1	1er1
TFG-ALK	chr3	100728558	chr2	29223528	TFG	NM_006070	4	chr3	100728558	ALK	NM_004304	20	chr2	29223528	YCCDS-CDS	3	0	0	0
TFG-ALK	chr3	100728558	chr2	29223528	TFG	ENST00000240851	4	chr3	100728558	ALK	ENST00000389048	20	chr2	29223528	NCCDS-ND	0	0	0	0
TFG-ROSI	chr6	117321394	chr6	117321394	TFG	NM_006070	4	chr6	117321394	ROSI	NM_002944	35	chr6	117321394	YCCDS-CDS	0	0	0	0
TFG-ALK	chr3	100732672	chr2	29223528	TFG	NM_006070	5	chr3	100732672	ALK	NM_004304	20	chr2	29223528	YCCDS-CDS	1	0	0	0
TFG-ALK	chr3	100732672	chr2	292235															

Z3CHAV1-BRAF	chr7	140783157	chr7	140783157	Z3CHAV1	NM_020119	3	chr7	139083780	BRAF	NM_004333	10	chr17	140783157	Y-CDS-CDS	0	0	0	0	0
Z3CHC8-RO51	chr12	12248827	chr12	117320030	Z3CHC8	NM_017612	2	chr12	12248827	RO51	NM_002844	6	chr6	117320030	Y-CDS-CDS	2	0	0	0	0
Z3CHC8-MDM2	chr12	71658965	chr12	6862963	Z3CHC8	NM_140692	2	chr12	71658965	MDM2	NM_002932	6	chr12	6862963	Y-CDS-CDS	0	0	0	0	0
ZFP36-FOSB	chr19	39406928	chr19	45470629	ZFP36	NM_003407	1	chr19	39406928	FOSB	NM_006322	2	chr19	45470629	Y-CDS-CDS	0	0	0	0	0
ZKSCAN1-BRAF	chr7	99526418	chr7	140783157	ZKSCAN1	NM_145102	6	chr7	99526418	BRAF	NM_004333	10	chr7	140783157	Y-CDS-CDS-1X	0	0	0	0	0
ZMYM2-FGFR1	chr13	20059562	chr8	38418373	ZMYM2	NM_003453	17	chr13	20059562	FGFR1	NM_023105	9	chr8	38418373	Y-CDS-CDS	0	0	0	0	0
ZNF207-BRAF	chr17	32358641	chr17	140783157	ZNF207	NM_003457	3	chr17	32358641	BRAF	NM_004333	10	chr7	140783157	Y-CDS-CDS	0	0	0	0	0
ZNF16-MUSK	chr9	113876413	chr9	110747641	ZNF16	NM_133374	1	chr9	113876413	MUSK	NM_005592	7	chr9	110747641	Y-CDS-CDS	0	0	0	0	0
ZNF700-MAST1	chr19	11925273	chr19	12867730	ZNF700	NM_144566	1	chr19	11925273	MAST1	NM_014875	20	chr19	12867730	Y-CDS-CDS	2	0	0	0	0
ZNF767P-BRAF	chr7	140783157	chr7	140783157	ZNF767P	NM_027788	1	chr7	140783157	BRAF	NM_004333	11	chr7	140783157	N-SUTR-CDS	0	0	0	0	0
ZSCAN30-BRAF	chr18	35263513	chr7	140783157	ZSCAN30	NM_00112734	3	chr18	35263513	BRAF	NM_004333	10	chr7	140783157	Y-CDS-CDS	2	0	0	0	0
A2M-OCT5	chr12	9067712	chr7	10249921	A2M	ENST00000318602	1	chr12	9067712	OCT5	ENST00000280326	1	chr5	10249921	Y-CDS-CDS-10X	0	1	1	1	3
A2M-SERPINA1	chr12	9080094	chr14	94378640	A2M	ENST00000318601	1	chr12	9080094	SERPINA1	ENST00000393088	1	chr14	94378640	N-CDS-CDS-53X	0	1	0	0	0
AAC-SECPIN1	chr12	125076611	chr12	95047959	AACS	ENST00000316519	1	chr12	125076611	MAL	ENST00000309988	1	chr12	95047959	N-CDS-CDS	0	0	1	1	1
AAGAB-SMAD3	chr15	67164895	chr15	67164895	AAGAB	ENST00000261880	1	chr15	67164895	SMAD3	ENST00000327367	1	chr15	67164895	N-CDS-CDS-21X	0	0	2	1	1
AAK1-WFDC13	chr2	69505569	chr20	45704444	AAK1	ENST00000406297	1	chr2	69505569	WFDC13	ENST00000305479	1	chr20	45704444	Y-CDS-CDS	0	1	1	1	1
AAK1-LHX2	chr2	69556860	chr2	124013961	AAK1	ENST00000406297	1	chr2	69556860	LHX2	ENST00000378163	1	chr9	124013961	Y-CDS-CDS	0	1	1	1	1
AAK1-C2orf42	chr2	69556860	chr2	70150564	AAK1	ENST00000406297	1	chr2	69556860	C2orf42	ENST00000264434	1	chr2	70150564	N-CDS-CDS-2X	0	1	1	1	1
AAK1-RPIA	chr2	69556860	chr2	88729278	AAK1	ENST00000406297	1	chr2	69556860	RPIA	ENST00000283646	1	chr2	88729278	Y-CDS-CDS	0	1	1	1	1
AAK1-KCMF1	chr2	69642878	chr2	85027889	AAK1	ENST00000406297	1	chr2	69642878	KCMF1	ENST00000409785	1	chr2	85027889	Y-CDS-CDS	0	1	1	1	1
AARS-COG4	chr16	70254621	chr16	70519731	AARS	ENST00000261772	1	chr16	70254621	COG4	ENST00000323786	1	chr16	70519731	Y-CDS-CDS	0	1	0	0	0
AARS-PPP1R13B	chr16	70258980	chr14	103742823	AARS	ENST00000261772	1	chr16	70258980	PPP1R13B	ENST00000202556	1	chr14	103742823	N-CDS-CDS-45X	0	0	1	1	1
AARS-STGAL2	chr16	70282820	chr16	70381862	AARS	ENST00000261772	1	chr16	70282820	STGAL2	ENST00000324907	1	chr16	70381862	N-CDS-CDS-20X	0	1	1	1	1
AARS-COG4	chr16	70282820	chr16	70519731	AARS	ENST00000261772	1	chr16	70282820	COG4	ENST00000323786	1	chr16	70519731	Y-CDS-CDS	0	1	1	1	1
AARS2-SPATS1	chr6	44310994	chr6	44360446	AARS2	ENST00000244571	1	chr6	44310994	SPATS1	ENST00000288390	1	chr6	44360446	Y-CDS-CDS	0	1	1	1	1
AARSD1-FBLX20	chr17	42962620	chr17	39343241	AARSD1	ENST00000427569	1	chr17	42962620	FBLX20	ENST00000246558	1	chr17	39343241	Y-CDS-CDS	0	1	1	1	1
AARSD1-CRC7	chr17	42961192	chr17	40558942	AARSD1	ENST00000427569	1	chr17	42961192	CRC7	ENST00000246657	1	chr17	40558942	Y-CDS-CDS	0	1	1	1	1
AARSD1-CHRN81	chr17	42964106	chr17	7454297	AARSD1	ENST00000416949	1	chr17	42964106	CHRN81	ENST00000306071	1	chr17	7454297	N-SUTR-CDS	0	0	1	1	1
AARSD1-RGS9	chr17	42979170	chr17	65210488	AARSD1	ENST00000360221	1	chr17	42979170	RGS9	ENST00000262046	1	chr17	65210488	N-CDS-CDS-2X	0	0	1	1	1
AASDH-LRRC6	chr4	56351342	chr4	56351342	AASDH	ENST00000205214	1	chr4	56351342	LRRC6	ENST00000343457	1	chr4	56351342	N-CDS-CDS-45X	0	1	1	1	1
AASDH-CC2D2A	chr4	56378148	chr4	56378148	AASDH	ENST00000513376	1	chr4	56378148	CC2D2A	ENST00000389652	1	chr4	56378148	Y-CDS-CDS	0	1	1	1	1
AASDHPTT-CARD16	chr11	106079692	chr11	105044658	AASDHPTT	ENST00000278618	1	chr11	106079692	CARD16	ENST00000357076	1	chr11	105044658	Y-CDS-CDS	0	1	0	0	0
AASDHPTT-ABTB2	chr11	106079692	chr11	34204690	AASDHPTT	ENST00000278618	1	chr11	106079692	ABTB2	ENST00000435224	1	chr11	34204690	Y-CDS-CDS	0	1	1	1	1
AASS-CADPS2	chr7	12237068	chr7	12237068	AASS	ENST00000393376	1	chr7	12237068	CADPS2	ENST00000313070	1	chr7	12237068	Y-CDS-CDS	0	1	1	1	1
AASS-DNM3	chr7	122391703	chr7	122391703	AASS	ENST00000393376	1	chr7	122391703	DNM3	ENST00000355305	1	chr1	122391703	Y-CDS-CDS	0	1	1	1	1
AASS-DNM3	chr7	122391703	chr7	122391703	AASS	ENST00000393376	1	chr7	122391703	DNM3	ENST00000355305	1	chr1	122391703	Y-CDS-CDS	0	1	1	1	1
AATF-AP2B1	chr17	36953907	chr17	35710234	AATF	ENST00000613848	1	chr17	36953907	AP2B1	ENST00000610402	1	chr17	35710234	N-SUTR-CDS	0	1	1	1	1
AATF-TADA2A	chr17	36953907	chr17	37474556	AATF	ENST00000613848	1	chr17	36953907	TADA2A	ENST00000612272	1	chr17	37474556	N-SUTR-CDS	0	1	0	0	0
AATF-GOSR2	chr17	36990857	chr17	46938599	AATF	ENST00000610798	1	chr17	36990857	GOSR2	ENST00000225567	1	chr17	46938599	N-CDS-CDS	0	1	1	1	1
AATF-LIG3	chr17	36990857	chr17	36990857	AATF	ENST00000610798	1	chr17	36990857	LIG3	ENST00000262327	1	chr17	36990857	N-CDS-CDS	0	1	1	1	1
AATF-FTL	chr17	37021014	chr19	48965309	AATF	ENST00000610798	1	chr17	37021014	FTL	ENST00000331825	1	chr19	48965309	N-CDS-SUTR	0	0	1	1	1
ABCF1-C16orf62	chr16	8674711	chr16	19651976	ABCF1	ENST00000262821	1	chr16	8674711	C16orf62	ENST00000251143	1	chr16	19651976	N-SUTR-CDS	0	0	1	1	1
ABCA1-ZBTB6	chr9	10483039	chr9	10483039	ABCA1	ENST00000374736	1	chr9	10483039	ZBTB6	ENST00000374736	1	chr9	10483039	N-SUTR-CDS	0	0	1	1	1
ABCA1-RAB5C	chr9	10483039	chr17	42126848	ABCA1	ENST00000374736	1	chr9	10483039	RAB5C	ENST00000346213	1	chr17	42126848	N-CDS-CDS-2X	0	1	0	0	0
ABCA1-ZBTB26	chr9	10483039	chr9	10483039	ABCA1	ENST00000374736	1	chr9	10483039	ZBTB26	ENST00000373654	1	chr9	10483039	N-CDS-SUTR	0	0	1	1	1
ABCA1-ZNF483	chr9	10483039	chr9	111576365	ABCA1	ENST00000374736	1	chr9	10483039	ZNF483	ENST00000358151	1	chr9	111576365	Y-CDS-CDS	0	1	1	1	1
ABCA1-PTGR1	chr9	111597432	chr9	111597432	ABCA1	ENST00000374736	1	chr9	111597432	PTGR1	ENST00000309195	1	chr9	111597432	N-CDS-SUTR	0	0	1	1	1
ABCA1-HDHD3	chr9	111576365	chr9	111576365	ABCA1	ENST00000374736	1	chr9	111576365	HDHD3	ENST00000238739	1	chr9	111576365	N-SUTR-SUTR-3X	0	0	1	1	1
ABCA2-SPFP2	chr2	222474568	chr2	222474568	ABCA2	ENST00000315511	1	chr2	222474568	SPFP2	ENST00000321276	1	chr2	222474568	Y-CDS-CDS	0	1	1	1	1
ABCA2-TRIM14	chr9	98100164	chr9	98100164	ABCA2	ENST00000265662	1	chr9	98100164	TRIM14	ENST00000375098	1	chr9	98100164	Y-CDS-CDS	0	1	1	1	1
ABCA2-TRIM14	chr9	98100164	chr9	98100164	ABCA2	ENST00000265662	1	chr9	98100164	TRIM14	ENST00000375098	1	chr9	98100164	Y-CDS-CDS	0	1	1	1	1
ABCA3-XRCC6BP1	chr16	2308450	chr16	57946995	ABCA3	ENST00000301732	1	chr16	2308450	XRCC6BP1	ENST00000300145	1	chr12	57946995	N-CDS-CDS	0	1	1	1	1
ABCA3-C17orf67	chr17	69283953	chr17	56795180	ABCA3	ENST00000392676	1	chr17	69283953	C17orf67	ENST00000397861	1	chr17	56795180	N-CDS-CDS-59X	0	1	1	1	1
ABCA3-MBTD1	chr17	69294655	chr17	51180694	ABCA3	ENST00000392676	1	chr17	69294655	MBTD1	ENST00000415868	1	chr17	51180694	Y-CDS-CDS	0	1	1	1	1
ABCA3-BCAS3	chr17	69294655	chr17	60709219	ABCA3	ENST00000392676	1	chr17	69294655	BCAS3	ENST00000390652	1	chr17	60709219	N-SUTR-CDS	0	0			

ACAP2-XXYL1	chr3	195342471	chr3	195342471	XXYL1	ENST00000310380	chr3	195226856	Y-CDS-CDS	0	1	0	0	-
ACAP2-UBE2J	chr3	195381009	chr1	1267992	UBE2J	ENST00000347370	chr1	1267992	Y-CDS-SUTR-2X	0	1	0	1	In-frame
ACAP2-XC7B1	chr3	195381009	chr3	195381009	XC7B1	ENST00000319363	chr3	195381009	N-CDS-CDS-5X	0	1	0	0	-
ACAP2-POD	chr3	195381009	chr3	19537971	POD	ENST00000343267	chr3	19537971	Y-CDS-CDS	0	1	0	1	In-frame
ACAP2-DLG1	chr3	195392000	chr3	195392000	DLG1	ENST00000346964	chr3	195392000	N-CDS-CDS-1X	0	1	0	1	Out-of-frame
ACAP2-IGCG	chr3	195442795	chr3	197914042	IGCG	ENST00000265239	chr3	197914042	N-CDS-CDS	0	1	0	1	Out-of-frame
ACAP2-XXYL1	chr3	195442795	chr3	195070111	XXYL1	ENST00000310380	chr3	195070111	Y-CDS-CDS	0	1	0	0	-
ACAP3-DVL1	chr1	1307769	chr1	1307769	DVL1	ENST00000378888	chr1	1307769	Y-CDS-CDS	0	0	0	1	In-frame
ACBD4-LRRC37A	chr17	45139160	chr17	45139160	LRRC37A	ENST00000393468	chr17	45139160	Y-CDS-CDS	0	1	0	0	-
ACBD4-LRRC37B	chr17	45139160	chr17	45139160	LRRC37B	ENST00000320254	chr17	45139160	Y-CDS-CDS	0	1	0	0	-
ACBD8-CCDC122	chr1	180314692	chr13	43837429	CCDC122	ENST00000446414	chr13	43837429	N-CDS-CDS-6X	0	1	0	1	Out-of-frame
ACBD8-IVNS1ABP	chr1	180397516	chr1	180397516	IVNS1ABP	ENST00000367498	chr1	180397516	Y-CDS-CDS	0	0	0	1	In-frame
ACBD8-PGBD2	chr1	180397516	chr1	248913816	PGBD2	ENST00000329291	chr1	248913816	N-CDS-SUTR-15X	0	0	0	1	CDS-SUTR
ACE2-GPR143	chrX	15578089	chrX	9725840	GPR143	ENST0000047482	chrX	9725840	Y-CDS-CDS	0	1	0	1	In-frame
ACER2-C8orf37	chr9	19435094	chr8	95263774	C8orf37	ENST00000286688	chr8	95263774	Y-CDS-CDS	0	1	0	1	In-frame
ACER3-THRSP	chr11	76961079	chr11	76961079	THRSP	ENST00000281030	chr11	76961079	N-CDS-SUTR-3X	0	0	0	1	CDS-SUTR
ACERS-NARS2	chr11	78469313	chr11	78469313	NARS2	ENST00000310338	chr11	78469313	N-CDS-CDS	0	0	0	1	Out-of-frame
ACER3-NRL	chr11	78961079	chr14	24082875	ACER3	ENST00000278544	chr14	24082875	N-CDS-SUTR	0	0	0	1	CDS-SUTR
ACER3-PC	chr11	76959031	chr11	66853383	ACER3	ENST0000032485	chr11	66853383	Y-CDS-CDS	0	1	0	0	-
ACER3-PPME1	chr11	76959031	chr11	74222312	PPME1	ENST00000328257	chr11	74222312	Y-CDS-CDS	0	1	0	1	In-frame
ACER3-PC	chr11	76959031	chr11	66853383	ACER3	ENST00000325861	chr11	66853383	Y3UTR-CDS-1X	0	1	0	0	-
ACER3-PPME1	chr11	76959031	chr11	74222312	PPME1	ENST00000328257	chr11	74222312	Y3UTR-CDS-1X	0	1	0	1	In-frame
ACER3-PPME1	chr11	76959031	chr11	66853383	ACER3	ENST00000328257	chr11	66853383	Y-CDS-CDS	0	1	0	0	-
ACER3-PPME1	chr11	76959031	chr11	74222312	PPME1	ENST00000328257	chr11	74222312	Y-CDS-CDS	0	1	0	1	In-frame
ACER3-UVRAG	chr11	77019776	chr11	76115924	UVRAG	ENST00000356136	chr11	76115924	Y3UTR-CDS-1X	0	1	0	1	In-frame
ACLY-WEE1	chr17	41873811	chr11	9588449	WEE1	ENST00000299613	chr11	9588449	Y-CDS-CDS	0	1	0	1	In-frame
ACLY-NEUROD2	chr17	41883122	chr17	39066064	NEUROD2	ENST00000302584	chr17	39066064	N-CDS-SUTR	0	0	0	1	CDS-SUTR
ACLY-TAF15	chr17	41897749	chr17	35836132	TAF15	ENST00000603067	chr17	35836132	N-CDS-SUTR	0	1	0	1	In-frame
ACLY-DNAJC7	chr17	41898631	chr17	41898631	DNAJC7	ENST00000318603	chr17	41898631	N-CDS-CDS	0	0	0	1	Out-of-frame
ACLY-DNAJC7	chr17	41973232	chr17	41973232	DNAJC7	ENST00000318603	chr17	41973232	Y-CDS-CDS	0	0	0	1	In-frame
ACO1-TYRP1	chr9	32384735	chr9	32384735	TYRP1	ENST00000389818	chr9	32384735	N-SUTR-SUTR	0	0	0	1	Out-of-frame
ACO2-AHRR	chr22	41469182	chr5	422729	AHRR	ENST00000316418	chr5	422729	Y-CDS-CDS	0	1	0	1	Out-of-frame
ACO2-ZC3H7B	chr22	41469182	chr22	41469182	ZC3H7B	ENST0000032645	chr22	41469182	N-CDS-CDS	0	0	0	1	Out-of-frame
ACO2-RASGEF1C	chr22	41469182	chr5	180138058	RASGEF1C	ENST00000361132	chr5	180138058	Y-CDS-SUTR	0	0	0	1	CDS-SUTR
ACO2-ZC3H7B	chr22	41469182	chr22	41355469	ZC3H7B	ENST0000032645	chr22	41355469	Y-CDS-SUTR	0	0	0	1	In-frame
ACO2-AHRR	chr22	41469182	chr5	422729	AHRR	ENST00000316418	chr5	422729	Y-CDS-CDS	0	1	0	1	Out-of-frame
ACO2-ZC3H7B	chr22	41469182	chr22	41355469	ZC3H7B	ENST0000032645	chr22	41355469	Y-CDS-CDS	0	1	0	1	In-frame
ACO2-ARHGAP8	chr22	41499862	chr22	44714591	ARHGAP8	ENST00000352766	chr22	44714591	Y-CDS-CDS	0	1	0	1	In-frame
ACO2-PRRS	chr22	41499862	chr22	44702492	PRRS	ENST0000006251	chr22	44702492	Y-CDS-SUTR	0	0	0	1	CDS-SUTR
ACO2-ARHGAP8	chr22	41499862	chr22	44714591	ARHGAP8	ENST00000352766	chr22	44714591	Y-CDS-CDS	0	1	0	1	In-frame
ACOT11-C8B	chr1	5458904	chr1	56952180	C8B	ENST00000371237	chr1	56952180	Y-CDS-CDS	0	1	0	1	In-frame
ACOT12-SBP2	chr5	81335768	chr5	81335768	SBP2	ENST00000320672	chr5	81335768	N-CDS-CDS-8X	0	1	0	1	Out-of-frame
ACOT12-NF203	chr19	52881983	chr19	52881983	NF203	ENST000003291291	chr19	52881983	N-CDS-SUTR	0	0	0	1	In-frame
ACOT7-PLEKHG5	chr1	6281102	chr1	6496569	PLEKHG5	ENST00000377372	chr1	6496569	N-CDS-SUTR	0	0	0	1	Out-of-frame
ACOT7-FUCA1	chr1	6281102	chr1	23854560	FUCA1	ENST00000374479	chr1	23854560	Y-CDS-CDS	0	1	0	1	In-frame
ACOT7-DNAJC11	chr1	6281102	chr1	6667810	DNAJC11	ENST00000294401	chr1	6667810	Y-CDS-CDS	0	0	0	1	In-frame
ACOT7-MIB2	chr1	6318492	chr1	1625286	MIB2	ENST00000520777	chr1	1625286	Y-CDS-CDS	0	1	0	1	In-frame
ACOT7-MIB2	chr1	6318492	chr1	1625286	MIB2	ENST00000378708	chr1	1625286	Y-CDS-CDS	0	1	0	1	In-frame
ACOT7-MIB2	chr1	6318492	chr1	1625286	MIB2	ENST00000378708	chr1	1625286	Y-CDS-CDS	0	1	0	1	In-frame
ACOT7-KLHL21	chr1	6318492	chr1	6595557	KLHL21	ENST00000377658	chr1	6595557	N-CDS-CDS	0	1	0	1	Out-of-frame
ACOT7-TTC34	chr1	6393257	chr1	2645563	TTC34	ENST0000041095	chr1	2645563	N-CDS-CDS	0	1	0	0	-
ACOT7-NSMCE2	chr1	6393257	chr8	125366768	NSMCE2	ENST00000287437	chr8	125366768	Y-CDS-CDS	0	0	0	1	In-frame
ACOT7-TTC34	chr1	6393257	chr1	2645563	TTC34	ENST0000041095	chr1	2645563	N-CDS-CDS	0	1	0	0	-
ACOT9-APOO	chrX	23721881	chrX	23721881	APOO	ENST00000379226	chrX	23721881	Y-CDS-CDS	0	2	3	1	In-frame
ACOX1-SRP88	chr17	75955566	chr17	75955566	SRP88	ENST00000307877	chr17	75955566	N-CDS-SUTR	0	0	0	1	In-frame
ACOX1-SRP88	chr17	75955566	chr17	75955566	SRP88	ENST00000307877	chr17	75955566	N-CDS-CDS-10X	0	0	0	1	Out-of-frame
ACOX1-PP2R3B	chr17	75960215	chr17	75960215	PP2R3B	ENST00000390665	chr17	75960215	N-CDS-CDS-8X	0	1	0	1	Out-of-frame
ACOX1-SRP88	chr17	75973625	chr17	76070444	SRP88	ENST00000307877	chr17	76070444	N-CDS-CDS-3X	0	1	0	0	-
ACOX1-SRP88	chr17	75978534	chr17	76067330	SRP88	ENST00000307877	chr17	76067330	Y-CDS-CDS	0	0	0	1	In-frame
ACOX1-SRP88	chr17	75978534	chr17	76067330	SRP88	ENST00000307877	chr17	76067330	Y-CDS-CDS	0	0	0	1	In-frame
ACOX3-STAT1	chr4	9440648	chr2	190998308	STAT1	ENST00000361909	chr2	190998308	N-SUTR-CDS	0	0	0	1	SUTR-CDS
ACOX3-STAT1	chr4	9440648	chr2	190998308	STAT1	ENST00000361909	chr2	190998308	N-CDS-CDS	0	0	0	1	In-frame
ACPD-CO74	chr11	47239403	chr5	150412732	CO74	ENST00000090530	chr5	150412732	N-CDS-CDS-12X	0	0	0	1	NA
ACPD-MRPL48	chr11	47245305	chr11	73844807	MRPL48	ENST00000310614	chr11	73844807	Y-CDS-CDS	0	1	0	1	In-frame
ACPE-GTF2F1	chr19	11577593	chr19	6389637	GTF2F1	ENST00000394456	chr19	6389637	N-SUTR-CDS	0	0	0	1	SUTR-CDS
ACPE-INTS7	chr1	147684246	chr1	212017023	INTS7	ENST00000369922	chr1	212017023	N-CDS-CDS-8X	0	0	0	1	Out-of-frame
ACPE-PIAS3	chr1	147689830	chr1	147689830	PIAS3	ENST00000369298	chr1	147689830	N-CDS-CDS	0	0	0	1	In-frame
ACPE-PIAS3	chr1	147689830	chr1	147689830	PIAS3	ENST00000369298	chr1	147689830	N-CDS-CDS	0	0	0	1	In-frame
ACPE-ARF1	chr3	132315756	chr3	132315756	ARF1	ENST00000451320	chr3	132315756	Y-CDS-CDS	0	1	0	1	In-frame
ACPP-ZNF462	chr3	132315756	chr9	106923354	ZNF462	ENST00000277225	chr9	106923354	Y-CDS-SUTR-1X	0	2	1	0	CDS-SUTR
ACPP-ATP2C1	chr3	132315756	chr3	130930416	ATP2C1	ENST00000328660	chr3	130930416	Y-CDS-CDS	0	0	0	1	In-frame
ACPP-SAFB2	chr3	132315756	chr3	5616335	SAFB2	ENST00000252542	chr3	5616335	Y-CDS-CDS	0	1	0	1	In-frame
ACPP-ARF1	chr3	132315756	chr4	152863606	ARF1	ENST00000451320	chr4	152863606	Y-CDS-CDS	0	1	0	0	-
ACPP-SAFB2	chr3	132315756	chr19	5616335	SAFB2	ENST00000252542	chr19	5616335	Y-CDS-CDS	0	1	0	1	In-frame
ACPP-NEED4L	chr3	132358554	chr18	58165788	NEED4L	ENST00000356462	chr18	58165788	Y-CDS-CDS	0	1	0	0	-
ACPP-NPY	chr3	132358555	chr7	24291663	NPY	ENST00000407573	chr7	24291663	N-CDS-CDS-20X	0	1	0	0	-
ACPP-NPY	chr3	132358555	chr7	24291663	NPY	ENST00000407573	chr7	24291663	N-CDS-CDS-20X	0	1	0	0	-
ACPP-NPY	chr3	132358555	chr7	24291663	NPY	ENST00000407573	chr7	24291663	N-CDS-CDS-20X	0	1	0	0	-
ACPP-RDH11	chr3	132358555	chr14	67690421	RDH11	ENST00000381346	chr14	67690421	Y-CDS-CDS	0	1	0	0	-
ACPP-AKL	chr3	132358555	chr19	41242883	AKL	ENST00000359178	chr19	41242883	Y-CDS-CDS	0	1	0	0	-
ACPP-OGT	chr3	132358572	chrX	15263310	OGT	ENST00000373701	chrX	15263310	Y3UTR-CDS-1X	0	0	0	1	CDS-SUTR
ACPP-STAT6	chr3	132358572	chr12	57102990	STAT6	ENST00000555375	chr12	57102990	N-SUTR-SUTR-1X	0	0	0	1	NA
ACSF2-SPAG9	chr17	50426389	chr17	50426389	SPAG9	ENST00000262013	chr17	50426389	Y-CDS-CDS	0	1	0	1	In-frame
ACSF2-ABCA9	chr17	50426389	chr17	69024353	ABCA9	ENST00000340001	chr17	69024353	Y-CDS-CDS	0	1	0	0	-
ACSF2-SPAG9	chr17	50426389	chr17	50426389	SPAG9	ENST00000262013	chr17	50426389	Y-CDS-CDS	0	1			

AFAP1-SLCA5A1	chr4	7800442	chr1	7800442	AFAP1	ENST000000358461	chr4	7800442	SLCA5A1	ENST000000471889	chr1	8324306	+	YCD5-CDS	0	0	1	1er1	CDS-SUTR
AFAP1-ABLIM2	chr4	7838524	chr4	7838524	AFAP1	ENST000000358461	chr4	7838524	ABLIM2	ENST000000341937	chr1	7848493	-	YCD5-CDS	0	0	1	1er4	In-frame
AFAP1-ABLIM2	chr4	7939566	chr4	7939566	AFAP1	ENST000000358461	chr4	7939566	ABLIM2	ENST000000341937	chr1	7848493	-	YCD5-CDS	0	0	1	1er4	In-frame
AFAP1-ABLIM2	chr4	7939566	chr4	8009102	AFAP1	ENST000000358461	chr4	8009102	ABLIM2	ENST000000341937	chr1	8009102	-	N.5UTR-CDS	0	0	1	1er2	SUTR-CDS
AFDN-GMDS	chr6	167827237	chr6	1742586	AFDN	ENST000000400822	chr6	167827237	GMDS	ENST000000380815	chr6	1742586	-	YCD5-CDS	0	0	1	1er3	In-frame
AFDN-GMDS	chr6	167827237	chr6	1742586	AFDN	ENST000000366806	chr6	167827237	GMDS	ENST000000380815	chr6	1742586	-	YND-CDS-1X	0	1	1er3	In-frame	
AFDN-GMDS	chr6	167827237	chr6	1742586	AFDN	ENST000000344191	chr6	167827237	GMDS	ENST000000380815	chr6	1742586	-	YCD5-CDS	0	0	1	1er3	In-frame
AFDN-HMGCLL1	chr6	167870498	chr6	55542140	AFDN	ENST000000366806	chr6	167870498	HMGCLL1	ENST000000274901	chr6	55542140	-	YCD5-CDS	0	1	1er1	In-frame	
AFDN-HMGCLL1	chr6	167870498	chr6	55542140	AFDN	ENST000000366806	chr6	167870498	HMGCLL1	ENST000000508459	chr6	55542140	-	YCD5-CDS	0	1	1er1	In-frame	
AFDN-HMGCLL1	chr6	167870498	chr6	55542140	AFDN	ENST000000366806	chr6	167870498	HMGCLL1	ENST000000370850	chr6	55542140	-	YCD5-CDS	0	1	1er1	In-frame	
AFDN-HMGCLL1	chr6	167870498	chr6	55542140	AFDN	ENST00000034191	chr6	167870498	HMGCLL1	ENST000000274901	chr6	55542140	-	YCD5-CDS	0	1	1er1	In-frame	
AFDN-HMGCLL1	chr6	167870498	chr6	55542140	AFDN	ENST00000034191	chr6	167870498	HMGCLL1	ENST000000508459	chr6	55542140	-	YCD5-CDS	0	1	1er1	In-frame	
AFDN-HMGCLL1	chr6	167870498	chr6	55542140	AFDN	ENST00000034191	chr6	167870498	HMGCLL1	ENST000000370850	chr6	55542140	-	YCD5-CDS	0	1	1er1	In-frame	
AFDN-SASH1	chr6	16780517	chr6	144903134	AFDN	ENST00000034191	chr6	16780517	SASH1	ENST000000367467	chr6	144903134	-	YCD5-CDS	0	1	1er1	In-frame	
AFDN-EXOC58	chr6	16780517	chr6	72575688	AFDN	ENST00000034191	chr6	16780517	EXOC58	ENST000000224227	chr6	72575688	-	In-frame	0	0	0	0	
AF1-PTPN13	chr4	86948571	chr4	86716530	AF1	ENST000000395146	chr4	86948571	PTPN13	ENST000000316707	chr4	86716530	-	N.CDS-CDS	0	0	1	1er1	Out-of-frame
AF1-GAST	chr4	86948571	chr17	41715432	AF1	ENST000000395146	chr4	86948571	GAST	ENST000000329402	chr17	41715432	-	N.CDS-SUTR	0	0	1	1er1	CDS-SUTR
AF1-PTPN13	chr4	86948571	chr4	86796874	AF1	ENST000000395146	chr4	86948571	PTPN13	ENST000000316707	chr4	86796874	-	N.CDS-CDS	0	0	1	1er1	Out-of-frame
AF1-C4orf36	chr4	86948571	chr4	86948571	AF1	ENST000000395146	chr4	86948571	C4orf36	ENST000000295898	chr4	86948571	-	YCD5-SUTR-4X	0	0	1	1er2	CDS-SUTR
AF1-PTPN13	chr4	86948571	chr4	86635252	AF1	ENST000000395146	chr4	86948571	PTPN13	ENST000000316707	chr4	86635252	-	N.CDS-SUTR	0	0	2	1er1	CDS-SUTR
AF1-PTPN13	chr4	86948571	chr4	86796874	AF1	ENST000000395146	chr4	86796874	PTPN13	ENST000000316707	chr4	86796874	-	N.CDS-CDS	0	0	1	1er2	Out-of-frame
AF1-GPRIN3	chr4	89250233	chr4	89250233	AF1	ENST000000370808	chr4	89250233	GPRIN3	ENST000000333209	chr4	89250233	-	N.CDS-SUTR	0	0	1	1er2	CDS-SUTR
AF1-KLHL8	chr4	87094969	chr4	87195690	AF1	ENST000000370808	chr4	87094969	KLHL8	ENST000000273963	chr4	87195690	-	YCD5-SUTR-2X	0	0	1	1er1	CDS-SUTR
AF1-PAQR3	chr4	87094969	chr4	78887309	AF1	ENST000000370808	chr4	87094969	PAQR3	ENST000000342820	chr4	78887309	-	N.CDS-SUTR-1X	0	0	1	1er1	CDS-SUTR
AF1-WWOX	chr4	87112599	chr16	79211608	AF1	ENST000000370808	chr4	87112599	WWOX	ENST000000539474	chr16	79211608	-	N.CDS-CDS-22X	0	1	1er1	Out-of-frame	
AF1-PTPN13	chr4	87125143	chr4	86799101	AF1	ENST000000370808	chr4	87125143	PTPN13	ENST000000427191	chr4	86799101	-	YCD5-CDS	0	1	1er1	In-frame	
AF1-PTPN13	chr4	87127703	chr4	86796874	AF1	ENST000000370808	chr4	87127703	PTPN13	ENST000000427191	chr4	86796874	-	YCD5-CDS	0	1	1er1	In-frame	
AF3-TMEM182	chr2	99837195	chr2	102762587	AF3	ENST000000317233	chr2	99837195	TMEM182	ENST000000498173	chr2	102762587	-	YCD5-CDS	0	0	1	1er1	In-frame
AF3-ASZ1	chr2	99837195	chr7	99837195	AF3	ENST000000317233	chr2	99837195	ASZ1	ENST000000284629	chr7	99837195	-	YCD5-CDS	0	0	1	1er1	In-frame
AF3-NPAS2	chr2	10006632	chr2	10006632	AF3	ENST000000317233	chr2	10006632	NPAS2	ENST000000356811	chr2	10006632	-	YCD5-CDS	0	0	1	1er1	In-frame
AF3-HDAC5	chr2	10006632	chr17	44093834	AF3	ENST000000409236	chr2	10006632	HDAC5	ENST000000259833	chr17	44093834	-	N.CDS-CDS-19X	0	1	1er4	Out-of-frame	
AF4-FSTL4	chr5	13288979	chr5	133225819	AF4	ENST000000265343	chr5	13288979	FSTL4	ENST000000265343	chr5	133225819	-	N.CDS-CDS-28X	0	1	0	0	
AF4-SNTG2	chr5	132892164	chr2	1209103	AF4	ENST000000265343	chr5	132892164	SNTG2	ENST000000308624	chr2	1209103	-	YCD5-CDS	0	0	1	1er1	In-frame
AF4-FSTL4	chr5	132892164	chr5	133225819	AF4	ENST000000265343	chr5	132892164	FSTL4	ENST000000265343	chr5	133225819	-	N.CDS-CDS-82X	0	1	1er1	Out-of-frame	
AF4-SPATA21	chr5	132963259	chr1	16431422	AF4	ENST000000265343	chr5	132963259	SPATA21	ENST000000359496	chr1	16431422	-	N.5UTR-SUTR	0	0	1	1er1	SUTR-SUTR
AFGL2-TIAM1	chr18	12337341	chr21	31130948	AFGL2	ENST000000269143	chr18	12337341	TIAM1	ENST000000286827	chr21	31130948	-	N.CDS-CDS-37X	0	0	1	1er2	Out-of-frame
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000586731	chr17	78191060	TNRC6C	ENST000000301624	chr17	78064722	-	YCD5-CDS	0	1	1er1	In-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000301624	chr17	78064722	-	YCD5-CDS	0	1	1er1	In-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000409236	chr17	78191060	TNRC6C	ENST000000301624	chr17	78064722	-	YCD5-CDS	0	1	1er1	In-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78191060	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	78191060	chr17	78064722	AFMID	ENST000000327898	chr17	78191060	TNRC6C	ENST000000318430	chr17	78064722	-	N.CDS-CDS-2X	0	1	1er1	Out-of-frame	
AFMID-TNRC6C	chr17	7819																	

ANK2-ARHGAP10	chr4	113049812	+	chr4	148023263	+	ANK2	ENST00000264366	chr4	113049812	+	ARHGAP10	ENST00000336498	chr4	148023263	+	YCCDS-CDS	0	1	1	1	In-frame	
ANK2-ARHGAP10	chr4	113049812	+	chr4	148023263	+	ANK2	ENST00000357077	chr4	113049812	+	ARHGAP10	ENST00000336498	chr4	148023263	+	YCCDS-CDS	0	1	1	1	In-frame	
ANK2-ARHGAP10	chr4	113049812	+	chr4	113049812	+	ANK2	ENST00000357077	chr4	113049812	+	ARHGAP10	ENST00000336498	chr4	113049812	+	N.SUTR-SUTR-8B0	0	1	1	1	In-frame	
ANK3-JUSPY1	chr10	60055658	chrV	12856340	chrV	12856340	ANK3	ENST00000280772	chr10	60055658	chrV	12856340	USPY1	ENST00000338881	chr10	60055658	chrV	N.CDS-CDS-231X	0	1	1	1	Out-of-frame
ANK3-TMPRSS15	chr10	60134271	chr21	18315266	chr21	18315266	ANK3	ENST00000280772	chr10	60134271	chr21	18315266	TMPRSS15	ENST00000284885	chr10	60134271	chr21	N.CDS-CDS	0	0	1	1	Out-of-frame
ANK3-CDK1	chr10	60134271	chr10	60780141	chr10	60780141	ANK3	ENST00000280772	chr10	60134271	chr10	60780141	CDK1	ENST00000316629	chr10	60780141	chr10	N.CDS-SUTR-50X	0	0	1	1	CDS-SUTR
ANK3-WDFY4	chr10	60145968	chr10	48709716	chr10	48709716	ANK3	ENST00000460468	chr10	60145968	chr10	48709716	WDFY4	ENST00000325239	chr10	48709716	chr10	YCCDS-SUTR	0	0	1	1	CDS-SUTR
ANK3-CHN2	chr10	60261859	chr7	29393679	chr7	29393679	ANK3	ENST00000280772	chr10	60261859	chr7	29393679	CHN2	ENST00000227292	chr10	60261859	chr7	YCCDS-CDS	0	1	1	1	In-frame
ANK3-SF2	chr10	60615186	chr17	47915312	chr17	47915312	ANK3	ENST00000373827	chr10	60615186	chr17	47915312	SF2	ENST00000378741	chr17	47915312	chr17	YCCDS-CDS	0	1	1	1	Out-of-frame
ANK3-ACTA2	chr10	60615186	chr10	88938242	chr10	88938242	ANK3	ENST00000373827	chr10	60615186	chr10	88938242	ACTA2	ENST00000224784	chr10	88938242	chr10	N.CDS-CDS	0	1	1	1	Out-of-frame
ANK3-MCU1	chr10	60615186	chr10	72834359	chr10	72834359	ANK3	ENST00000373827	chr10	60615186	chr10	72834359	MCU1	ENST00000357157	chr10	72834359	chr10	YCCDS-CDS	0	1	0	1	Out-of-frame
ANK3-ATAD1	chr10	60615186	chr10	87814612	chr10	87814612	ANK3	ENST00000373827	chr10	60615186	chr10	87814612	ATAD1	ENST00000308448	chr10	87814612	chr10	N.CDS-SUTR	0	0	1	1	CDS-SUTR
ANKAR-MFS06	chr2	189696369	chr2	190488657	chr2	190488657	ANKAR	ENST00000319581	chr2	189696369	chr2	190488657	MFS06	ENST00000281416	chr2	190488657	chr2	YCCDS-CDS	0	1	0	1	Out-of-frame
ANKD1A-PLEKH02	chr15	64942565	chr15	64859894	chr15	64859894	ANKD1A	ENST00000319580	chr15	64942565	chr15	64859894	PLEKH02	ENST00000323544	chr15	64859894	chr15	YCCDS-CDS	0	0	1	1	In-frame
ANKFY1-SPN17	chr17	4173909	chr19	36283627	chr19	36283627	ANKFY1	ENST00000341657	chr17	4173909	chr19	36283627	SPN17	ENST00000301244	chr19	36283627	chr19	YCCDS-CDS	0	1	0	1	Out-of-frame
ANKFY1-CDC8B	chr17	4222256	chr14	91291084	chr14	91291084	ANKFY1	ENST00000341657	chr17	4222256	chr14	91291084	CDC8B	ENST00000308657	chr14	91291084	chr14	YCCDS-CDS	0	1	1	1	In-frame
ANKFY1-CDC8B	chr17	4222256	chr14	91291084	chr14	91291084	ANKFY1	ENST00000370530	chr17	4222256	chr14	91291084	CDC8B	ENST00000308657	chr14	91291084	chr14	YCCDS-CDS	0	1	1	1	In-frame
ANKH-MXD3	chr5	14741827	chr5	177310540	chr5	177310540	ANKH	ENST00000284268	chr5	14741827	chr5	177310540	MXD3	ENST00000423571	chr5	177310540	chr5	N.CDS-CDS-15X	0	0	1	1	Out-of-frame
ANKH-AN06	chr5	14741827	chr12	45270462	chr12	45270462	ANKH	ENST00000284268	chr5	14741827	chr12	45270462	AN06	ENST00000423947	chr12	45270462	chr12	N.CDS-CDS-2X	0	0	1	1	Out-of-frame
ANKH-STEAP3	chr5	14871352	chr5	119245489	chr5	119245489	ANKH	ENST00000284268	chr5	14871352	chr5	119245489	STEAP3	ENST00000393106	chr5	119245489	chr5	N.CDS-SUTR	0	0	1	1	Out-of-frame
ANKH-DNAH5	chr5	14871352	chr5	13737495	chr5	13737495	ANKH	ENST00000284268	chr5	14871352	chr5	13737495	DNAH5	ENST00000265104	chr5	13737495	chr5	YCCDS-CDS	0	1	0	1	Out-of-frame
ANKH-R3HDH1	chr5	14871352	chr2	135602500	chr2	135602500	ANKH	ENST00000284268	chr5	14871352	chr2	135602500	R3HDH1	ENST00000264160	chr2	135602500	chr2	YCCDS-SUTR-1X	0	1	1	1	Out-of-frame
ANKH-DNAH5	chr5	14871352	chr5	13737495	chr5	13737495	ANKH	ENST00000284268	chr5	14871352	chr5	13737495	DNAH5	ENST00000265104	chr5	13737495	chr5	YCCDS-CDS	0	1	1	1	In-frame
ANKH-D1-TIAM2	chr5	10449305	chr6	155240111	chr6	155240111	ANKH-D1	ENST00000297183	chr5	10449305	chr6	155240111	TIAM2	ENST00000461783	chr6	155240111	chr6	N.SUTR-CDS	0	1	1	1	In-frame
ANKH-D1-PAIP2	chr5	104485732	chr5	139368733	chr5	139368733	ANKH-D1	ENST00000297183	chr5	104485732	chr5	139368733	PAIP2	ENST00000265192	chr5	139368733	chr5	N.SUTR-CDS	0	1	1	1	In-frame
ANKHD1-HMGXB4	chr5	140524175	chr22	35265392	chr22	35265392	ANKHD1	ENST00000297183	chr5	140524175	chr22	35265392	HMGXB4	ENST00000216106	chr22	35265392	chr22	N.SUTR-CDS-77X	0	1	0	1	Out-of-frame
ANKHD1-EIF4EBP3	chr5	140549569	chr7	74657685	chr7	74657685	ANKHD1-EI	ENST00000437495	chr5	140549569	chr7	74657685	EIF4EBP3	ENST00000573035	chr7	74657685	chr7	N.SUTR-SUTR-29X	0	1	1	1	Out-of-frame
ANKIB1-CKD14	chr7	92246519	chr7	92246519	chr7	92246519	ANKIB1	ENST00000265742	chr7	92246519	chr7	92246519	CKD14	ENST00000265741	chr7	92246519	chr7	N.SUTR-SUTR-1X	0	0	1	1	CDS-SUTR
ANKIB1-TNFRSF17	chr7	92246519	chr7	92246519	chr7	92246519	ANKIB1	ENST00000265742	chr7	92246519	chr7	92246519	TNFRSF17	ENST00000503243	chr7	92246519	chr7	N.SUTR-CDS-2X	0	1	1	1	In-frame
ANKIB1-PEK1	chr7	92319512	chr7	92319512	chr7	92319512	ANKIB1	ENST00000265742	chr7	92319512	chr7	92319512	PEK1	ENST00000248633	chr7	92319512	chr7	YCCDS-CDS	0	1	1	1	In-frame
ANKIB1-LMTK2	chr7	92352642	chr7	98185051	chr7	98185051	ANKIB1	ENST00000265742	chr7	92352642	chr7	98185051	LMTK2	ENST00000297293	chr7	98185051	chr7	YCCDS-CDS	0	1	1	1	In-frame
ANKIB1-GNAI1	chr7	92392292	chr7	80199225	chr7	80199225	ANKIB1	ENST00000265742	chr7	92392292	chr7	80199225	GNAI1	ENST00000351004	chr7	80199225	chr7	YCCDS-CDS	0	1	0	1	Out-of-frame
ANKIB1-CYP3A4	chr7	92392292	chr7	92392292	chr7	92392292	ANKIB1	ENST00000265742	chr7	92392292	chr7	92392292	CYP3A4	ENST00000336411	chr7	92392292	chr7	YCCDS-CDS	0	1	1	1	In-frame
ANKLE2-NHP2L1	chr12	132747832	chr22	41680364	chr22	41680364	ANKLE2	ENST00000357997	chr12	132747832	chr22	41680364	NHP2L1	ENST00000219586	chr22	41680364	chr22	YCCDS-CDS	0	1	1	1	In-frame
ANKLE2-NHP2L1	chr12	132747832	chr5	180793697	chr5	180793697	ANKLE2	ENST00000357997	chr12	132747832	chr5	180793697	MCAT1	ENST00000317746	chr5	180793697	chr5	N.SUTR-SUTR-1X	0	1	1	1	In-frame
ANKLE2-NCOR2	chr12	124327633	chr12	124327633	chr12	124327633	ANKLE2	ENST00000357997	chr12	124327633	chr12	124327633	NCOR2	ENST00000356219	chr12	124327633	chr12	YCCDS-CDS	0	1	1	1	In-frame
ANKLE2-NCOR2	chr12	124327633	chr12	124327633	chr12	124327633	ANKLE2	ENST00000357997	chr12	124327633	chr12	124327633	NCOR2	ENST00000404621	chr12	124327633	chr12	YCCDS-CDS	0	1	1	1	In-frame
ANKMY1-PDE11A	chr2	24049958	chr2	17769373	chr2	17769373	ANKMY1	ENST00000227292	chr2	24049958	chr2	17769373	PDE11A	ENST00000286603	chr2	17769373	chr2	N.CDS-CDS-30X	0	1	0	1	Out-of-frame
ANKMY1-GPR35	chr2	24052914	chr2	24052914	chr2	24052914	ANKMY1	ENST00000227292	chr2	24052914	chr2	24052914	GPR35	ENST00000319838	chr2	24052914	chr2	N.CDS-SUTR-1X	0	0	1	1	CDS-SUTR
ANKRD10-MYO16	chr13	110893020	chr13	110893020	chr13	110893020	ANKRD10	ENST00000267339	chr13	110893020	chr13	110893020	MYO16	ENST00000356711	chr13	110893020	chr13	N.CDS-CDS-10X	0	1	1	1	Out-of-frame
ANKRD11-NAALADL	chr16	89290625	chr16	89290625	chr16	89290625	ANKRD11	ENST00000301030	chr16	89290625	chr16	89290625	NAALADL	ENST00000454872	chr16	89290625	chr16	N.CDS-CDS	0	1	1	1	Out-of-frame
ANKRD11-SBRP2	chr16	89418284	chr16	89418284	chr16	89418284	ANKRD11	ENST00000301030	chr16	89418284	chr16	89418284	SBRP2	ENST00000325647	chr16	89418284	chr16	N.SUTR-CDS-1X	0	1	1	1	In-frame
ANKRD11-BRMS1	chr16	89418284	chr16	89418284	chr16	89418284	ANKRD11	ENST00000301030	chr16	89418284	chr16	89418284	BRMS1	ENST00000359557	chr16	89418284	chr16	N.SUTR-SUTR	0	0	1	1	In-frame
ANKRD11-CHMP1A	chr16	89418284	chr16	89418284	chr16	89418284	ANKRD11	ENST00000301030	chr16	89418284	chr16	89418284	CHMP1A	ENST00000397901	chr16	89418284	chr16	N.SUTR-CDS	0	2	1	1	CDS-SUTR
ANKRD11-FANCA	chr16	89418284	chr16	89418284	chr16	89418284	ANKRD11	ENST00000301030	chr16	89418284	chr16	89418284	FANCA	ENST00000305699	chr16	89418284	chr16	N.SUTR-SUTR	0	0	1	1	In-frame
ANKRD11-STAR10	chr16	89418284	chr16	89418284	chr16	89418284	ANKRD11	ENST00000301030	chr16	89418284	chr16	89418284	STAR10	ENST00000334805	chr16	89418284	chr16	N.SUTR-SUTR	0	0	1	1	In-frame
ANKRD11-LINGO1	chr16	89418284	chr16	89418284	chr16	89418284	ANKRD11	ENST00000301030	chr16	89418284	chr16	89418284	LINGO1	ENST00000353000	chr16	89418284	chr16	N.SUTR-CDS-1X	0	0	1	1	In-frame
ANKRD11-CDH15	chr16	89418284	chr16	89418284	chr16	89418284	ANKRD11	ENST00000301030	chr16	89418284	chr16	89418284	CDH15	ENST00000289746	chr16	89418284	chr16	N.SUTR-CDS-1X	0	1	1	1	CDS-SUTR
ANKRD11-FANCA	chr16	89418284	chr16	89418284	chr16	89418284	ANKRD11	ENST00000301030	chr16	89418284	chr16	89418284	FANCA	ENST00000389301	chr16	89418284	chr16	N.SUTR-CDS	0	0	1	1	In-frame
ANKRD11-ERIG2	chr16	89490245	chr12	29371670	chr12	29371670	ANKRD11	ENST00000301030	chr16	89490245	chr12	29371670	ERIG2	ENST00000360150	chr12	29371670	chr12	N.SUTR-SUTR-1X	0	0	1	1	CDS-SUTR
ANKRD11-FANCA	chr16	89490245	chr16	89490245	chr16	89490245	ANKRD11	ENST00000301030	chr16	89490245	chr16	89490245	FANCA	ENST00000305699									

AP2A2-TMEM80	chr11	698869 +	chr11	698869 +	TMEM80	ENST00000397510	chr11	698869 +	YCODES-CDS	0	1	1	1	1	In-frame
AP2A2-TOLLIP	chr11	926088 +	chr11	926088 +	TOLLIP	ENST00000263646	chr11	926088 +	YCODES-CDS	0	1	1	1	1	In-frame
AP2A2-TSPN4	chr11	962550 +	chr11	962550 +	TSPN4	ENST00000263659	chr11	962550 +	N.SUTR-CDS	0	1	1	1	1	Out-of-frame
AP2A2-VP52A	chr11	959505 +	chr10	69157007 +	VP52A	ENST00000263659	chr10	69157007 +	YCODES-CDS	0	1	1	1	1	In-frame
AP2A2-NLRC5	chr11	959505 +	chr16	57033604 +	NLRC5	ENST00000262510	chr16	57033604 +	N.CDS-CDS	0	0	1	1	1	Out-of-frame
AP2A2-PSMD13	chr11	972224 +	chr11	252505 +	PSMD13	ENST00000431206	chr11	252505 +	YCODES-CDS	0	1	1	1	1	In-frame
AP2A2-EPS8L2	chr11	994245 +	chr11	720062 +	EPS8L2	ENST00000526198	chr11	720062 +	YCODES-CDS	0	1	1	1	1	In-frame
AP2A2-EPS8L2	chr11	994245 +	chr11	720062 +	EPS8L2	ENST00000318562	chr11	720062 +	YCODES-CDS	0	1	1	1	1	In-frame
AP2B1-RA620	chr17	35594067 +	chr13	110524197 +	RA620	ENST00000267328	chr13	110524197 +	N.SUTR-CDS-2X	0	1	0	0	0	Out-of-frame
AP2B1-GAS2L2	chr17	3557791 +	chr17	35750318 +	GAS2L2	ENST00000304063	chr17	35750318 +	N.CDS-CDS	0	1	1	1	1	In-frame
AP2M1-TYK2	chr3	184184090 +	chr19	10380676 +	TYK2	ENST00000525621	chr19	10380676 +	N.3UTR-SUTR-21X	0	0	1	1	3	3UTR-SUTR
AP2M1-SEC63	chr3	184184090 +	chr6	107893578 +	SEC63	ENST00000369002	chr6	107893578 +	N.3UTR-CDS-21X	0	0	1	2	4	NA
AP3B1-BRAF	chr5	78089393 +	chr7	140787584 +	BRAF	ENST00000286802	chr7	140787584 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP3B1-DCTN4	chr5	78128030 +	chr5	78128030 +	DCTN4	ENST00000447998	chr5	78128030 +	YCODES-CDS	0	1	1	3	3	In-frame
AP3B1-CAMLG	chr5	78216055 +	chr5	78216055 +	CAMLG	ENST00000297156	chr5	78216055 +	YCODES-CDS	0	1	1	1	1	In-frame
AP3B1-LHFPL2	chr5	78240862 +	chr5	78240862 +	LHFPL2	ENST00000380345	chr5	78240862 +	N.CDS-SUTR-10X	0	0	1	1	1	CDS-SUTR
AP3B1-IPK1	chr5	78244512 +	chr5	78244512 +	IPK1	ENST00000255194	chr5	78244512 +	N.CDS-CDS	0	1	1	1	1	Out-of-frame
AP3B2-HOMER2	chr15	82709594 +	chr15	82709594 +	HOMER2	ENST00000304231	chr15	82709594 +	YCODES-CDS	0	1	1	1	1	In-frame
AP3D1-MUM1	chr19	2108687 +	chr19	1356324 +	MUM1	ENST00000588810	chr19	1356324 +	YCODES-SUTR-3X	0	0	1	1	2	CDS-SUTR
AP3D1-KCTD19	chr19	2137727 +	chr16	67320885 +	KCTD19	ENST00000304372	chr16	67320885 +	YCODES-CDS	0	1	1	1	1	In-frame
AP3D1-KCTD19	chr19	2137727 +	chr16	67320885 +	KCTD19	ENST00000304372	chr16	67320885 +	YCODES-CDS	0	1	1	1	1	In-frame
AP3D1-KCTD19	chr19	2137727 +	chr19	2138619 +	KCTD19	ENST00000345016	chr19	2138619 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP3D1-PLKHF1	chr19	2151239 +	chr19	2151239 +	PLKHF1	ENST00000436066	chr19	2151239 +	N.CDS-SUTR	0	1	1	1	1	CDS-SUTR
AP3D1-DOT1L	chr19	2151239 +	chr19	2151239 +	DOT1L	ENST00000398665	chr19	2151239 +	YCODES-CDS	0	0	1	1	2	In-frame
AP3S1-ARL14EPL	chr5	115842106 +	chr5	115842106 +	ARL14EPL	ENST00000601302	chr5	115842106 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP3B1-PIFO	chr1	113901755 +	chr1	113901755 +	PIFO	ENST00000369738	chr1	113901755 +	YCODES-CDS	0	1	1	1	1	In-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +	chr20	3822293 +	RNF24	ENST00000336095	chr20	3822293 +	YCODES-CDS	0	1	0	0	0	Out-of-frame
AP5S1-RNF24	chr20	3822293 +													

ARHGAP31-TIMDC3	ch1	119383226 +	ch3	119513641 +	ARHGAP31	ENST00000262445	ch3	119383226 +	TIMDC1	ENST0000044664	ch3	119513641 +	YCD5-CDS	0	1	0	0		
ARHGAP32-C20orf2	ch11	129062280 -	ch20	36607715 +	ARHGAP32	ENST00000310343	ch11	129062280 -	C20orf24	ENST00000344795	ch20	36607715 +	YCD5-CDS	0	1	1	2	0	In-frame
ARHGAP32-C20orf2	ch11	129062280 -	ch20	36607715 +	ARHGAP32	ENST00000310343	ch11	129062280 -	C20orf24	ENST00000344795	ch20	36607715 +	YCD5-CDS	0	1	1	2	0	In-frame
ARHGAP32-CWF10L	ch11	129062280 -	ch11	107455776 -	ARHGAP32	ENST00000310343	ch11	129062280 -	CWF10L	ENST00000282251	ch11	107455776 -	YCD5-CDS	0	1	1	1	0	In-frame
ARHGAP32-PRDM10	ch11	129093621 -	ch11	129093621 -	ARHGAP32	ENST00000310343	ch11	129093621 -	PRDM10	ENST00000358825	ch11	129093621 -	YCD5-CDS	0	1	1	1	0	In-frame
ARHGAP32-TP53AIP1	ch11	129093621 -	ch11	129093621 -	ARHGAP32	ENST00000310343	ch11	129093621 -	TP53AIP1	ENST00000351399	ch11	129093621 -	YCD5-CDS	0	1	0	0	0	
ARHGAP32-TP53AIP1	ch11	129093621 -	ch11	129093621 -	ARHGAP32	ENST00000310343	ch11	129093621 -	TP53AIP1	ENST00000458238	ch11	129093621 -	YCD5-CDS	0	1	0	0	0	
ARHGAP32-AHNAK	ch11	129123446 -	ch11	62433891 -	ARHGAP32	ENST00000310343	ch11	129123446 -	AHNAK	ENST00000530124	ch11	62433891 -	YCD5-CDS	0	1	0	0	0	
ARHGAP32-FCHSD2	ch11	129164319 -	ch11	73083740 -	ARHGAP32	ENST00000310343	ch11	129164319 -	FCHSD2	ENST00000311172	ch11	73083740 -	N.CDS-SUTR-3X	0	1	1	0	0	
ARHGAP35-SAE1	ch19	46922356 +	ch19	47169818 +	ARHGAP35	ENST00000404338	ch19	46922356 +	SAE1	ENST00000413379	ch19	47169818 +	YCD5-CDS	0	1	0	0	0	
ARHGAP35-SAE1	ch19	46922356 +	ch19	47169818 +	ARHGAP35	ENST00000404338	ch19	46922356 +	SAE1	ENST00000392776	ch19	47169818 +	YCD5-CDS	0	1	0	0	0	
ARHGAP35-SAE1	ch19	46922356 +	ch19	47169818 +	ARHGAP35	ENST00000404338	ch19	46922356 +	SAE1	ENST00000270225	ch19	47169818 +	YCD5-CDS	0	1	0	0	0	
ARHGAP39-ZNF16	ch8	144545249 -	ch8	144932590 -	ARHGAP39	ENST00000278626	ch8	144545249 -	ZNF16	ENST00000276816	ch8	144932590 -	YCD5-CDS	0	1	1	4	0	In-frame
ARHGAP39-ZNF34	ch8	144605535 -	ch8	144778525 -	ARHGAP39	ENST00000278626	ch8	144605535 -	ZNF34	ENST00000343459	ch8	144778525 -	N.CDS-CDS	0	1	1	1	0	CDS-SUTR
ARHGAP39-ZNF34	ch8	144605535 -	ch8	144778525 -	ARHGAP39	ENST00000278626	ch8	144605535 -	ZNF34	ENST00000343459	ch8	144778525 -	N.CDS-CDS	0	1	1	1	0	CDS-SUTR
ARHGAP42-YAP1	ch11	100687832 +	ch11	100687832 +	ARHGAP42	ENST00000524892	ch11	100687832 +	YAP1	ENST00000526343	ch11	100687832 +	YCD5-CDS	0	1	0	0	0	
ARHGAP42-YAP1	ch11	100687832 +	ch11	100687832 +	ARHGAP42	ENST00000524892	ch11	100687832 +	YAP1	ENST00000282441	ch11	100687832 +	YCD5-CDS	0	1	0	0	0	
ARHGAP42-YAP1	ch11	100687832 +	ch11	100687832 +	ARHGAP42	ENST00000524892	ch11	100687832 +	YAP1	ENST00000537274	ch11	100687832 +	YCD5-CDS	0	1	0	0	0	
ARHGAP42-YAP1	ch11	100687832 +	ch11	100687832 +	ARHGAP42	ENST00000524892	ch11	100687832 +	YAP1	ENST00000545877	ch11	100687832 +	YCD5-CDS	0	1	0	0	0	
ARHGAP42-SBF2	ch11	100687832 +	ch11	9790683 -	ARHGAP42	ENST00000524892	ch11	100687832 +	SBF2	ENST00000256190	ch11	9790683 -	YCD5-CDS	0	1	1	2	0	In-frame
ARHGAP42-PGR	ch11	101062752 -	ch11	101062752 -	ARHGAP42	ENST00000524892	ch11	101062752 -	PGR	ENST00000325455	ch11	101062752 -	YCD5-CDS	0	1	1	2	0	In-frame
ARHGAP42-YAP1	ch11	100687832 +	ch11	100687832 +	ARHGAP42	ENST00000298815	ch11	100687832 +	YAP1	ENST00000526343	ch11	100687832 +	YCD5-CDS	0	1	0	0	0	
ARHGAP42-YAP1	ch11	100687832 +	ch11	100687832 +	ARHGAP42	ENST00000298815	ch11	100687832 +	YAP1	ENST00000537274	ch11	100687832 +	YCD5-CDS	0	1	0	0	0	
ARHGAP42-YAP1	ch11	100687832 +	ch11	100687832 +	ARHGAP42	ENST00000298815	ch11	100687832 +	YAP1	ENST00000545877	ch11	100687832 +	YCD5-CDS	0	1	0	0	0	
ARHGAP42-SBF2	ch11	100687832 +	ch11	9790683 -	ARHGAP42	ENST00000298815	ch11	100687832 +	SBF2	ENST00000256190	ch11	9790683 -	YCD5-CDS	0	1	1	2	0	In-frame
ARHGAP42-PGR	ch11	100687832 +	ch11	101062752 -	ARHGAP42	ENST00000298815	ch11	100687832 +	PGR	ENST00000325455	ch11	101062752 -	YCD5-CDS	0	1	1	2	0	In-frame
ARHGAP42-HIBCH	ch11	100795166 +	ch2	190213075 -	ARHGAP42	ENST00000298815	ch11	100795166 +	HIBCH	ENST00000359678	ch2	190213075 -	YCD5-CDS	0	1	0	0	0	
ARHGAP42-HIBCH	ch11	100795166 +	ch2	190213075 -	ARHGAP42	ENST00000298815	ch11	100795166 +	HIBCH	ENST00000392323	ch2	190213075 -	YCD5-CDS	0	1	0	0	0	
ARHGAP42-KMO	ch11	100859625 +	ch1	241586679 +	ARHGAP42	ENST00000298815	ch11	100859625 +	KMO	ENST00000365659	ch1	241586679 +	YCD5-CDS	0	1	0	0	0	
ARHGAP42-KMO	ch11	100859625 +	ch1	241586679 +	ARHGAP42	ENST00000298815	ch11	100859625 +	KMO	ENST00000365659	ch1	241586679 +	YCD5-CDS	0	1	0	0	0	
ARHGAP44-DNAH2	ch17	12789891 +	ch17	7801578 +	ARHGAP44	ENST00000262444	ch17	12789891 +	DNAH2	ENST00000389173	ch17	7801578 +	YCD5-CDS	0	1	0	0	0	
ARHGAP44-DNAH2	ch17	12789891 +	ch17	7801578 +	ARHGAP44	ENST00000340825	ch17	12789891 +	DNAH2	ENST00000389173	ch17	7801578 +	YCD5-CDS	0	1	0	0	0	
ARHGAP44-ZSWIM7	ch17	12929046 +	ch17	15981144 -	ARHGAP44	ENST00000262444	ch17	12929046 +	ZSWIM7	ENST00000399277	ch17	15981144 -	YCD5-CDS	0	1	0	0	0	
ARHGAP44-C17orf77	ch17	12958989 +	ch17	37389246 +	ARHGAP44	ENST00000262444	ch17	12958989 +	C17orf77	ENST00000611038	ch17	37389246 +	N.CDS-CDS-25X	0	1	0	0	0	
ARHGAP45-GAMP	ch14	32054355 +	ch3	116444955 -	ARHGAP45	ENST00000345122	ch14	32054355 +	GAMP	ENST00000333817	ch3	116444955 -	N.SUTR-CDS	0	1	1	0	0	In-frame
ARHGAP45-LAMP	ch14	32074435 +	ch3	116444955 -	ARHGAP45	ENST00000396583	ch14	32074435 +	LAMP	ENST00000359653	ch3	116444955 -	N.CDS-ND	0	1	1	1	0	In-frame
ARHGAP45-LZHGDD	ch14	32094246 +	ch14	50294246 +	ARHGAP45	ENST00000345122	ch14	32094246 +	LZHGDD	ENST00000261699	ch14	50294246 +	YCD5-CDS	0	1	1	1	0	In-frame
ARHGAP45-LZHGDD	ch14	32094246 +	ch14	50294246 +	ARHGAP45	ENST00000345122	ch14	32094246 +	LZHGDD	ENST0000055610	ch14	50294246 +	YCD5-CDS	0	1	1	1	0	In-frame
ARHGAP45-AKAP6	ch14	32094386 +	ch14	32535554 +	ARHGAP45	ENST00000345122	ch14	32094386 +	AKAP6	ENST00000280979	ch14	32535554 +	YCD5-CDS	0	1	0	0	0	
ARHGAP45-AKAP6	ch14	32094386 +	ch14	32535554 +	ARHGAP45	ENST00000345122	ch14	32094386 +	AKAP6	ENST00000280979	ch14	32535554 +	YCD5-CDS	0	1	0	0	0	
ARHGAP45-PA53	ch14	32094386 +	ch14	32737678 +	ARHGAP45	ENST00000345122	ch14	32094386 +	PA53	ENST00000356141	ch14	32737678 +	N.CDS-CDS-150X	0	1	1	0	0	Out-of-frame
ARHGAP45-LZHGDD	ch14	32094386 +	ch14	50294246 +	ARHGAP45	ENST00000345122	ch14	32094386 +	LZHGDD	ENST00000261699	ch14	50294246 +	YCD5-CDS	0	1	1	1	0	In-frame
ARHGAP45-LZHGDD	ch14	32094386 +	ch14	50294246 +	ARHGAP45	ENST00000345122	ch14	32094386 +	LZHGDD	ENST0000055610	ch14	50294246 +	YCD5-CDS	0	1	1	1	0	In-frame
ARHGAP45-AKAP6	ch14	32094386 +	ch14	32535554 +	ARHGAP45	ENST00000345122	ch14	32094386 +	AKAP6	ENST00000280979	ch14	32535554 +	YCD5-CDS	0	1	0	0	0	
ARHGAP45-AKAP6	ch14	32094386 +	ch14	32535554 +	ARHGAP45	ENST00000345122	ch14	32094386 +	AKAP6	ENST00000280979	ch14	32535554 +	YCD5-CDS	0	1	0	0	0	
ARHGAP45-KIAA0391	ch14	32117287 +	ch14	35273435 +	ARHGAP45	ENST00000345122	ch14	32117287 +	KIAA0391	ENST00000557565	ch14	35273435 +	YCD5-CDS	0	1	0	0	0	
ARHGAP45-KIAA0391	ch14	32117287 +	ch14	35273435 +	ARHGAP45	ENST00000345122	ch14	32117287 +	KIAA0391	ENST00000557565	ch14	35273435 +	YCD5-CDS	0	1	0	0	0	
ARHGAP45-NUBPL	ch14	32117287 +	ch14	31673355 +	ARHGAP45	ENST00000345122	ch14	32117287 +	NUBPL	ENST00000281081	ch14	31673355 +	YCD5-CDS	0	1	1	1	0	In-frame
ARHGAP45-NUBPL	ch14	32117287 +	ch14	31673355 +	ARHGAP45	ENST00000345122	ch14	32117287 +	NUBPL	ENST00000281081	ch14	31673355 +	YCD5-CDS	0	1	1	1	0	In-frame
ARHGAP45-NUBPL	ch14	32117287 +	ch14	31673355 +	ARHGAP45	ENST00000345122	ch14	32117287 +	NUBPL	ENST00000281081	ch14	31673355 +	YCD5-CDS	0	1	1	1	0	In-frame
ARHGAP45-NUBPL	ch14	32117287 +	ch14	31673355 +	ARHGAP45	ENST00000345122	ch14	32117287 +	NUBPL	ENST00000281081	ch14	31673355 +	YCD5-CDS	0	1	1	1	0	In-frame
ARHGAP45-KIAA0391	ch14	32117287 +	ch14	35273435 +	ARHGAP45	ENST00000345122	ch14	32117287 +	KIAA0391	ENST00000557565	ch14	35273435 +	YCD5-CDS	0	1	0	0	0	
ARHGAP45-NUBPL	ch14	32117287 +	ch14	31673355 +	ARHGAP45	ENST00000345122	ch14	32117287 +	NUBPL	ENST00000281081	ch14	31673355 +	YCD5-CDS	0	1	1	1	0	In-frame
ARHGAP45-NUBPL	ch14	32117287 +	ch14	31673355 +	ARHGAP45	ENST00000345122	ch14	32117287 +	NUBPL	ENST00000281081	ch14	31673355 +	YCD5-CDS	0	1	1	1	0	In-frame
ARHGAP45-NUBPL	ch14	32117287 +	ch14	31673355 +	ARHGAP45	ENST00000345122	ch14	32117287 +	NUBPL	ENST00000281081	ch14	31673355 +	YCD5-CDS	0	1	1	1	0	In-frame
ARHGAP45-NUBPL	ch14	32117287 +	ch14	31673355 +	ARHGAP45	ENST00000345122	ch14	32117287 +	NUBPL	ENST00000281081	ch14	31673355 +	YCD5-CDS	0	1	1	1	0	In-frame
ARHGAP45-NUBPL	ch14	32117287 +	ch14	31673355 +	ARHGAP45	ENST00000345122	ch14	32117287 +	NUBPL	ENST00000281081	ch14	31673355 +	YCD5-CDS	0	1	1	1	0	In-frame
ARHGAP45-NUBPL	ch14	32117287 +	ch14	31673355 +	ARHGAP45	ENST00000345122	ch14	32117287 +	NUBPL	ENST00000281081	ch14	31673355 +	YCD5-CDS	0	1	1	1	0	In-frame
ARHGAP45-NUBPL	ch14	32117287 +	ch14	31673355 +	ARHGAP45	ENST00000345122	ch14	32117287 +	NUBPL	ENST00000281081	ch14	31673355 +	YCD5-CDS	0	1	1	1	0	In-frame
ARHGAP45-NUBPL	ch14	32117287 +	ch14	31673355 +	ARHGAP45														

BCL9-GOLPH3L	chr1	147541674 +	chr12	69655813 -	BCL9	ENST00000234739	chr1	147541674 +	BEST3	ENST00000330891	chr12	69655813 -	N5UTR-CDS:1X	0	0	1	1er1	5UTR-CDS	
BCL9-GOLPH3L	chr1	147541674 +	chr1	150663763 -	BCL9	ENST00000234739	chr1	147541674 +	GOLPH3L	ENST00000271732	chr12	150663763 -	N5UTR-CDS:4X	0	0	1	1er3	5UTR-CDS	
BCL9-GOLPH3L	chr1	147541674 +	chr1	184165602 +	BCL9	ENST00000234739	chr1	147541674 +	GP121	ENST00000284920	chr12	184165602 +	N5UTR-CDS:1X	0	0	1	1er1	In-frame	
BCL9-DGKI	chr11	118925238	chr7	137690002 -	BCL9L	ENST00000526143	chr11	118925238	DGKI	ENST00000288490	chr7	137690002 -	N5UTR-CDS:2X	0	0	1	1er1	5UTR-CDS	
BCLAF1-MAP7	chr6	136289713 -	chr6	136289713 -	BCLAF1	ENST00000353331	chr6	136289713 -	MAP7	ENST00000354570	chr6	136241799 -	N5UTR-CDS	0	0	1	1er1	5UTR-CDS	
BCOR-L3MBTL2	chrX	40072349 -	chr22	41209696 +	BCOR	ENST00000378444	chrX	40072349 -	L3MBTL2	ENST00000216237	chr22	41209696 +	Y-CDS-CDS	0	2	2	1er1	In-frame	
BCOR-PHEX	chrX	40177007 -	chrX	22212904 -	BCOR	ENST00000342274	chrX	40177007 -	PHEX	ENST00000393734	chrX	22212904 -	N5UTR-CDS	0	0	1	1er1	5UTR-CDS	
BCORL1-UTP14A	chrX	130039282 +	chrX	129907367 +	BCORL1	ENST00000218147	chrX	130039282 +	UTP14A	ENST00000394422	chrX	129907367 +	N-CDS-CDS	0	0	1	1er2	Out-of-frame	
BCOR-TOM1	chr22	35327271 +	chr22	35327271 +	BCOR	ENST00000305877	chr22	35327271 +	TOM1	ENST00000382034	chr22	35327271 +	N-CDS-3UTR	0	0	1	1er1	Out-of-frame	
BCR-MRV11	chr22	23182239 -	chr11	10652182 -	BCR	ENST00000305877	chr22	23182239 -	MRV11	ENST00000423302	chr11	10652182 -	Y-CDS-CDS	0	1	0	1	1er1	In-frame
BCR-GNAZ	chr22	23182239 +	chr22	23095247 +	BCR	ENST00000305877	chr22	23182239 +	GNAZ	ENST00000492538	chr22	23095247 +	N-CDS-3UTR	0	0	1	1er1	CDS-SUTR	
BCR-MOV10L1	chr22	23182239 +	chr22	50092001 +	BCR	ENST00000305877	chr22	23182239 +	MOV10L1	ENST00000262794	chr22	50092001 +	Y-CDS-CDS	0	1	1	1er3	In-frame	
BCR-HIC2	chr22	23182239 +	chr22	21442759 +	BCR	ENST00000305877	chr22	23182239 +	HIC2	ENST00000407464	chr22	21442759 +	N-CDS-SUTR:7X	0	0	1	1er4	CDS-SUTR	
BCR-UPB1	chr22	23182239 +	chr22	24494109 +	BCR	ENST00000305877	chr22	23182239 +	UPB1	ENST00000415388	chr22	24494109 +	Y-CDS-SUTR:6X	0	0	1	1er1	CDS-SUTR	
BCR-PPL2	chr22	23273774 +	chr22	21693816 +	BCR	ENST00000305877	chr22	23273774 +	PPL2	ENST00000330525	chr22	21693816 +	N-CDS-CDS:16X	0	0	1	1er1	Out-of-frame	
BCR-ARVCF	chr22	23273774 +	chr22	19982091 +	BCR	ENST00000305877	chr22	23273774 +	ARVCF	ENST00000263207	chr22	19982091 +	Y-CDS-CDS	0	1	0	1	1er1	In-frame
BCR-MYH11	chr22	23295155 +	chr16	15786732 -	BCR	ENST00000305877	chr22	23295155 +	MYH11	ENST00000300038	chr16	15786732 -	N-CDS-CDS:28X	0	0	1	1er1	Out-of-frame	
BDH1-ZBX	chr3	197522640 -	chr3	167242643 -	BDH1	ENST00000358186	chr3	197522640 -	ZBX	ENST00000307529	chr3	167242643 -	Y-CDS-CDS	0	1	1	1er1	In-frame	
BDH1-C7orf60	chr3	197546361 -	chr7	112832675 -	BDH1	ENST00000392378	chr3	197546361 -	C7orf60	ENST00000297145	chr7	112832675 -	Y-CDS-CDS	0	1	1	1er1	In-frame	
BDH1-C7orf60	chr3	197546361 -	chr7	112832675 -	BDH1	ENST00000358186	chr3	197546361 -	C7orf60	ENST00000297145	chr7	112832675 -	Y-CDS-CDS	0	1	1	1er1	In-frame	
BDP1-KDMSA	chr5	71516166 +	chr12	293137 -	BDP1	ENST00000358731	chr5	71516166 +	KDMSA	ENST00000399788	chr12	293137 -	N-CDS-CDS:107X	0	2	0	1	1er1	In-frame
BDP1-FAM172A	chr5	71532427 +	chr5	93881688 -	BDP1	ENST00000380675	chr5	71532427 +	FAM172A	ENST00000399565	chr5	93881688 -	Y-ND-CDS:1X	0	1	1	1er3	In-frame	
BDP1-FAM172A	chr5	71532427 +	chr5	93881688 -	BDP1	ENST00000380675	chr5	71532427 +	FAM172A	ENST00000399565	chr5	93881688 -	Y-CDS-CDS	0	1	1	1er3	In-frame	
BEST3-PTPRR	chr12	69671428 -	chr12	70764778 -	BEST3	ENST00000330891	chr12	69671428 -	PTPRR	ENST00000282828	chr12	70764778 -	N-CDS-CDS:19X	0	1	1	1er2	Out-of-frame	
BFAR-SPNS1	chr16	14655210 +	chr16	28982857 +	BFAR	ENST00000261658	chr16	14655210 +	SPNS1	ENST00000311008	chr16	28982857 +	Y-CDS-CDS	0	1	1	1er1	In-frame	
BFAR-SPNS1	chr16	14655210 +	chr16	28982857 +	BFAR	ENST00000261658	chr16	14655210 +	SPNS1	ENST00000311008	chr16	28982857 +	Y-CDS-CDS	0	1	1	1er1	In-frame	
BGN-TTN	chrX	153509540 +	chr2	178646559 -	BGN	ENST00000331595	chrX	153509540 +	TTN	ENST00000446966	chr2	178646559 -	N3UTR-CDS:2X	0	0	2	1er3	NA	
BGN-SEC63	chrX	153509546 +	chr6	107893578 -	BGN	ENST00000331595	chrX	153509546 +	SEC63	ENST00000369002	chr6	107893578 -	N3UTR-CDS:13X	0	0	1	1er3	NA	
BGN-PTP4A2	chrX	153509546 +	chr1	31909600 -	BGN	ENST00000480756	chrX	153509546 +	PTP4A2	ENST00000457805	chr1	31909600 -	N5UTR-CDS:15X	0	0	1	1er3	3UTR-CDS	
BGN-ZNF438	chr20	5954095 -	chr20	49246881 -	BGN	ENST00000331595	chr20	5954095 -	ZNF438	ENST00000391461	chr20	49246881 -	N3UTR-CDS	0	1	1	1er3	In-frame	
BGN-ZNF1X	chrX	153509546 +	chr20	49246881 -	BGN	ENST00000331595	chrX	153509546 +	ZNF1X	ENST00000317522	chr20	49246881 -	N3UTR-SUTR	0	0	1	1er4	3UTR-CDS	
BGN-UTRN	chrX	153509546 +	chr6	144344101 +	BGN	ENST00000331595	chrX	153509546 +	UTRN	ENST00000421035	chr6	144344101 +	N3UTR-SUTR	0	0	1	1er3	NA	
BGN-ANXA1	chrX	153509546 +	chr9	73157654 +	BGN	ENST00000331595	chrX	153509546 +	ANXA1	ENST00000376911	chr9	73157654 +	Y3UTR-SUTR:19X	0	0	1	1er3	3UTR-SUTR	
BGN-ERBB3	chrX	153509546 +	chr12	56098251 +	BGN	ENST00000331595	chrX	153509546 +	ERBB3	ENST00000549832	chr12	56098251 +	Y3UTR-SUTR:5X	0	0	1	1er3	3UTR-SUTR	
BHLHE41-REERG	chr12	26124718 -	chr12	18088956 -	BHLHE41	ENST00000242728	chr12	26124718 -	REERG	ENST00000229002	chr12	18088956 -	N-CDS-CDS	0	0	1	1er1	Out-of-frame	
BHLHE41-REERG	chr12	26124718 -	chr12	18088956 -	BHLHE41	ENST00000242728	chr12	26124718 -	REERG	ENST00000229002	chr12	18088956 -	Y-CDS-CDS	0	0	1	1er1	Out-of-frame	
BHLHE41-JMY	chr5	79277910 +	chr5	79277910 +	BHLHE41	ENST00000251567	chr5	79277910 +	JMY	ENST00000396137	chr5	79277910 +	Y-CDS-CDS	0	1	0	1	1er1	In-frame
BHMT2-JMY	chr5	79277910 +	chr5	79277910 +	BHMT2	ENST00000255192	chr5	79277910 +	JMY	ENST00000396137	chr5	79277910 +	Y-CDS-CDS	0	1	0	1	1er1	In-frame
BICC1-UBE2D1	chr10	58513333 +	chr10	58361338 +	BICC1	ENST00000373886	chr10	58513333 +	UBE2D1	ENST00000373910	chr10	58361338 +	N-CDS-CDS	0	0	1	1er3	Out-of-frame	
BICC1-RAB11FIP1	chr10	58629091 +	chr8	37877551 -	BICC1	ENST00000373886	chr10	58629091 +	RAB11FIP1	ENST00000282763	chr8	37877551 -	N-CDS-CDS	0	0	1	1er1	Out-of-frame	
BICC1-DPYSL4	chr10	58702143 +	chr10	132200356 +	BICC1	ENST00000373886	chr10	58702143 +	DPYSL4	ENST00000338492	chr10	132200356 +	Y-CDS-CDS	0	1	1	1er1	In-frame	
BICC1-FOGFR2	chr10	58803242 +	chr10	121480021 -	BICC1	ENST00000263103	chr10	58803242 +	FOGFR2	ENST00000346997	chr10	121480021 -	Y-CDS-CDS	0	1	1	1er1	In-frame	
BICC1-FOGFR2	chr10	58803242 +	chr10	121480021 -	BICC1	ENST00000263103	chr10	58803242 +	FOGFR2	ENST00000346997	chr10	121480021 -	Y-CDS-CDS	0	1	1	1er1	In-frame	
BICC1-ZNF438	chr12	28450124 +	chr12	28450124 +	BICC1	ENST00000263103	chr12	28450124 +	ZNF438	ENST00000307522	chr12	28450124 +	Y-CDS-CDS	0	1	1	1er1	In-frame	
BICC1-CDK6	chr12	32107544 +	chr7	92623086 -	BICC1	ENST00000281474	chr12	32107544 +	CDK6	ENST00000265734	chr7	92623086 -	N-CDS-CDS	0	1	1	1er1	Out-of-frame	
BICD1-LOH12CR1	chr12	32107544 +	chr12	12435628 +	BICD1	ENST00000551848	chr12	32107544 +	LOH12CR1	ENST00000298571	chr12	12435628 +	N-CDS-CDS	0	1	1	1er1	Out-of-frame	
BICD1-SOX5	chr12	32107544 +	chr12	23665564 -	BICD1	ENST00000281474	chr12	32107544 +	SOX5	ENST00000367206	chr12	23665564 -	Y-CDS-CDS	0	1	1	1er1	In-frame	
BICD1-NAPB	chr12	32107544 +	chr20	23381317 -	BICD1	ENST00000281474	chr12	32107544 +	NAPB	ENST00000377026	chr20	23381317 -	Y-CDS-CDS	0	1	0	1	1er1	In-frame
BICD1-DENND5B	chr12	3216459 +	chr12	31402643 -	BICD1	ENST00000281474	chr12	3216459 +	DENND5B	ENST00000389082	chr12	31402643 -	N-CDS-CDS	0	0	1	1er2	Out-of-frame	
BICD1-ZNF438	chr12	32388493 +	chr10	33849443 -	BICD1	ENST00000281474	chr12	32388493 +	ZNF438	ENST00000331737	chr10	33849443 -	Y-CDS-CDS	0	1	1	1er1	CDS-SUTR	
BICD2-ASPM	chr9	92715253 +	chr9	92465711 -	BICD2	ENST00000373886	chr9	92715253 +	ASPM	ENST00000335453	chr9	92465711 -	Y-CDS-CDS	0	1	0	1	1er1	In-frame
BID-ATP6V1E1	chr22	17738017 -	chr22	17613320 -	BID	ENST00000317361	chr22	17738017 -	ATP6V1E1	ENST00000254131	chr22	17613320 -	Y-CDS-CDS	0	1	0	1	1er1	In-frame
BID-ATP6V1E1	chr22	17738017 -	chr22	17613320 -	BID	ENST00000317361	chr22	17738017 -	ATP6V1E1	ENST00000399796	chr22	17613320 -	Y-CDS-CDS	0	1	0	1	1er1	In-frame
BIN3-PEBP4	chr8	2264755 -	chr8	2264755 -	BIN3	ENST00000276416	chr8	2264755 -	PEBP4	ENST00000256404	chr8	22713536 -	N-CDS-CDS	0	0	1	1er1	Out-of-frame	
BIN3-PEBP4	chr8	2264755 -	chr8	22727220 -	BIN3	ENST00000276416	chr8	2264755 -	PEBP4	ENST00000256404	chr8	22727220 -	N-CDS-CDS	0	0	1	1er2	Out-of-frame	
BIRC2-YAP1	chr11	102350943 +	chr11	102350943 +	BIRC2	ENST00000227758	chr11	102350943 +	YAP1	ENST00000345877	chr11	102350943 +	Y-CDS-CDS	0	1	1	1er1	In-frame	
BIRC2-TMEM123	chr11	102402206 +	chr11	102402206 +	BIRC2	ENST00000227758	chr11	102402206 +	TMEM123	ENST00000361236	chr11	102402206 +	Y-CDS-CDS	0	1	1	1er1	In-frame	
BIRC3-MALT1	chr11	102331242 +	chr18	58963636 +	BIRC3	ENST00000532808	chr11	102331242 +	MALT1	ENST00000345724	chr18	58963636 +	N-ND-CDS:44X	0	1	0	1	1er1	In-frame
BIRC3-MALT1	chr11	102331242 +	chr18	58963636 +	BIRC3	ENST00000532808	chr11	102331242 +	MALT1	ENST00000345724	chr18	58963636 +	N-ND-CDS:44X	0	1	0	1	1er1	In-frame
BIRC3-CCT5	chr11	102337734 +	chr5	10249921 +	BIRC3	ENST00000263464	chr11	102337734 +	CCT5	ENST00000280326	chr5	10249921 +	Y3UTR-SUTR:10X	0	0	1	1er3	3UTR-SUTR	
BIRC6-YIPF4	chr2	32357486 +	chr2	32357486 +	BIRC6	ENST00000421745	chr2	32357486 +	YIPF4	ENST00000238831	chr2	32357486 +	Y-CDS-CDS	0	0	1	1er1	In-frame	
BIRC6-SLC30A6	chr2	32357486 +	chr2	32357486 +	BIRC6	ENST00000421745	chr2	32357486 +</											

C18-NXP4	ch12	57224878 +	ch12	57224878 +	C18	ENST00000328916	ch12	7068077 +	NXP4	ENST00000343934	ch12	57224878 +	N5UTR-CDS-1X	0	0	0	1	ter1	5UTR-CDS
C10r16-LIN9	ch1	207032579 -	ch1	226250919 -	C10r116	ENST00000339470	ch1	207032579 -	LIN9	ENST00000328205	ch1	226250919 -	N5UTR-CDS	0	0	0	1	ter4	5UTR-CDS
C10r16-ALD6	ch1	53202651 -	ch1	53202651 -	C10r123	ENST00000326271	ch1	53202651 -	ALD6	ENST00000326271	ch1	53202651 -	N5UTR-CDS	0	0	0	1	ter1	Out-of-frame
C10r159-SD4	ch1	11293680 -	ch1	12298946 -	C10r159	ENST00000379313	ch1	1090553 -	SD4	ENST00000263741	ch1	12298946 -	N5UTR-CDS	0	0	0	1	ter1	CDS-SUTR
C10r159-SD4	ch1	11293680 -	ch1	12298946 -	C10r159	ENST00000379325	ch1	1116060 -	SD4	ENST00000263741	ch1	12298946 -	N5UTR-CDS	0	0	0	1	ter1	5UTR-CDS
C10r174-RAD18	ch1	3892283 -	ch3	8881459 -	C10r174	ENST00000361605	ch1	3892283 -	RAD18	ENST00000264262	ch3	8881459 -	N5UTR-CDS	0	0	0	1	ter1	Out-of-frame
C10r174-SNAP47	ch1	3900172 -	ch1	22758995 -	C10r174	ENST00000361605	ch1	3900172 -	SNAP47	ENST00000315781	ch1	22758995 -	N5UTR-CDS	0	0	0	1	ter3	Out-of-frame
C10r198-GXYL T2	ch1	23086812 -	ch3	72908367 -	C10r198	ENST00000427697	ch1	23086812 -	GXYL T2	ENST00000389617	ch3	72908367 -	N5UTR-CDS	0	0	0	1	ter1	5UTR-CDS
C10r21-ANGPTL1	ch1	184477603 +	ch1	178869223 +	C10r21	ENST00000235307	ch1	184477603 +	ANGPTL1	ENST00000234816	ch1	178869223 +	N5UTR-SUTR	0	0	0	1	ter1	CDS-SUTR
C10r21-ANGPTL1	ch1	184477603 +	ch1	178853787 +	C10r21	ENST00000235307	ch1	184477603 +	ANGPTL1	ENST00000234816	ch1	178853787 +	N5UTR-CDS	0	0	0	1	ter1	Out-of-frame
C10r21-LAMC1	ch1	184477603 +	ch1	183116577 +	C10r21	ENST00000235307	ch1	184477603 +	LAMC1	ENST00000258341	ch1	183116577 +	N5UTR-CDS	0	0	0	1	ter2	Out-of-frame
C10r21-INTS7	ch1	184598461 +	ch1	211952701 -	C10r21	ENST00000235307	ch1	184598461 +	INTS7	ENST00000369692	ch1	211952701 -	N5UTR-CDS-4X	0	0	0	1	ter1	Out-of-frame
C10r213-PTCH2	ch1	23369513 +	ch1	44826768 -	C10r213	ENST00000335648	ch1	23369513 +	PTCH2	ENST00000372192	ch1	44826768 -	N5UTR-CDS	0	0	0	1	ter2	Out-of-frame
C10r27-EGLN1	ch1	186383156 +	ch1	213174099 -	C10r27	ENST00000287859	ch1	186383156 +	EGLN1	ENST00000366641	ch1	213174099 -	YCD5-CDS	0	0	0	1	ter1	Out-of-frame
C10r87-FGGY	ch1	59979709 -	ch1	59757931 +	C10r87	ENST00000371201	ch1	59979709 -	FGGY	ENST00000303721	ch1	59757931 +	N5UTR-CDS-31X	0	0	0	1	ter2	Out-of-frame
C20r194-CACAM	ch20	3294139 -	ch19	44705590 +	C20r194	ENST00000252032	ch20	3294139 -	CACAM	ENST00000405314	ch19	44705590 +	N5UTR-CDS-40X	0	0	0	1	ter3	Out-of-frame
C20r194-ASPH	ch20	3394440 -	ch20	61646878 +	C20r194	ENST00000252032	ch20	3394440 -	ASPH	ENST00000379454	ch20	61646878 +	N5UTR-CDS-58X	0	0	0	1	ter3	Out-of-frame
C20r194-TDRD10	ch20	3374048 -	ch1	154542024 +	C20r194	ENST00000252032	ch20	3374048 -	TDRD10	ENST00000368480	ch1	154542024 +	YCD5-CDS	0	0	0	1	ter1	Out-of-frame
C20r194-EV15	ch20	3381379 -	ch1	92704744 -	C20r194	ENST00000252032	ch20	3381379 -	EV15	ENST00000370331	ch1	92704744 -	N5UTR-CDS	0	0	0	1	ter1	Out-of-frame
C20r194-ADRA1D	ch20	3407475 -	ch20	4222130 -	C20r194	ENST00000252032	ch20	3407475 -	ADRA1D	ENST00000373453	ch20	4222130 -	N5UTR-CDS	0	0	0	1	ter1	Out-of-frame
C20r196-NCKAP1	ch20	5773043 +	ch20	183003325 -	C20r196	ENST00000303142	ch20	5773043 +	NCKAP1	ENST00000360982	ch20	183003325 -	N5UTR-CDS	0	0	0	1	ter3	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	CDS-SUTR
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0	0	1	ter1	Out-of-frame
C21r2-UMODL1	ch21	44339118 -	ch21	42142096 +	C21r2	ENST00000325223	ch21	44339118 -	UMODL1	ENST00000404023	ch21	42142096 +	N5UTR-SUTR-1X	0	0				

CDKN2A-MYH10	chr9	21994139	-	chr17	8604982	-	CDKN2A	ENST00000269243	chr17	8604982	-	N.CDS-CDS	0	1	1	1	Out-of-frame
CDKN2A-SRGP2	chr9	21994139	-	chr1	206461037	-	CDKN2A	ENST00000353034	chr9	21994139	-	N.CDS-CDS	0	1	1	1	NA
CDKN2A-SRGP	chr9	21994139	-	chr9	107567359	-	CDKN2A	ENST00000264669	chr9	21994139	-	N.CDS-CDS	0	1	1	1	Out-of-frame
CDKN2A-FASTKD3	chr9	21994139	-	chr5	7865983	-	CDKN2A	ENST00000264669	chr5	7865983	-	Y.CDS-CDS	0	1	1	1	In-frame
CDKN2B-DGKD	chr9	22008798	-	chr2	233388257	-	CDKN2B	ENST00000264057	chr2	233388257	-	Y.CDS-CDS	0	1	1	1	In-frame
CDKN3-SFTA3	chr14	54401579	-	chr14	54401579	-	CDKN3	ENST0000018548	chr14	54401579	-	N.SUTR-SUTR-1X	0	0	1	1	Out-of-frame
CDON-DCPS	chr11	126345347	-	chr11	126345347	-	CDON	ENST00000263579	chr11	126345347	-	N.CDS-CDS-12X	0	1	1	1	Out-of-frame
CDRL2-KSR1	chr17	74988122	-	chr17	74988122	-	CDRL2	ENST00000372321	chr17	74988122	-	Y.CDS-SUTR-4X	0	0	1	3	CDS-SUTR
CDRL2-MEF2D	chr17	74999616	-	chr17	74999616	-	CDRL2	ENST00000372321	chr17	74999616	-	Y.CDS-CDS	0	1	1	1	In-frame
CDRL2-MEF2D	chr17	74999616	-	chr17	156475237	-	CDRL2	ENST00000372321	chr17	156475237	-	N.CDS-ND-5X	0	1	1	1	In-frame
CDL1-UGT1A1	chr4	84609525	-	chr2	233767034	-	CDL1	ENST00000295887	chr4	84609525	-	Y.CDS-CDS	0	1	1	1	In-frame
CDL1-UGT1A6	chr4	84609525	-	chr2	233693799	-	CDL1	ENST00000295887	chr4	84609525	-	N.CDS-CDS-4X	0	0	1	2	CDS-SUTR
CDS2-MAST3	chr20	5186839	-	chr19	1821685	-	CDS2	ENST00000379070	chr20	5186839	-	N.SUTR-CDS-22X	0	0	1	2	Out-of-frame
CDYL-EEF1E1	chr6	4892379	-	chr6	4892379	-	CDYL	ENST00000328908	chr6	4892379	-	N.CDS-CDS-8X	0	0	1	2	Out-of-frame
CDYL2-DYNLRB2	chr16	80543276	-	chr16	80543276	-	CDYL2	ENST00000570137	chr16	80543276	-	Y.CDS-CDS	0	1	1	3	In-frame
CDYL2-DYNLRB2	chr16	80543276	-	chr16	80543276	-	CDYL2	ENST00000570137	chr16	80543276	-	Y.CDS-CDS	0	1	1	3	In-frame
CDYL2-VEP14	chr16	157364512	-	chr16	157364512	-	CDYL2	ENST00000562812	chr16	157364512	-	N.CDS-CDS	0	1	1	1	Out-of-frame
CDYL2-DYNLRB2	chr16	80543276	-	chr16	80543276	-	CDYL2	ENST00000562812	chr16	80543276	-	Y.CDS-CDS	0	1	1	3	In-frame
CDYL2-DYNLRB2	chr16	80543276	-	chr16	80543276	-	CDYL2	ENST00000562812	chr16	80543276	-	Y.CDS-CDS	0	1	1	3	In-frame
CEACAM6-SIAE	chr19	41772208	-	chr19	41772208	-	CEACAM6	ENST00000199764	chr19	41772208	-	N.3UTR-SUTR-7X	0	0	1	3	3UTR-SUTR
CEACAM6-ZNFX1	chr19	41772208	-	chr20	124673881	-	CEACAM6	ENST00000199764	chr19	41772208	-	N.3UTR-SUTR	0	0	1	4	3UTR-CDS
CEACAM6-CTC5	chr19	41772208	-	chr5	10249921	-	CEACAM6	ENST00000199764	chr19	41772208	-	Y.3UTR-SUTR-10X	0	0	1	3	3UTR-SUTR
CEBP2-DOR12	chr19	33373895	-	chr19	32748476	-	CEBP2	ENST00000284000	chr19	33373895	-	N.SUTR-CDS	0	0	1	2	SUTR-CDS
CEBP2-GPATC1	chr19	33373895	-	chr19	33373895	-	CEBP2	ENST00000284000	chr19	33373895	-	N.SUTR-CDS-1X	0	0	1	3	SUTR-CDS
CEL-CPA1	chr9	133064762	-	chr7	133064762	-	CEL	ENST00000372080	chr9	133064762	-	Y.CDS-CDS	0	1	0	0	-
CEL-NTRK1	chr9	133067205	-	chr1	156873633	-	CEL	ENST00000372080	chr9	133067205	-	Y.CDS-CDS	0	1	0	0	-
CELFI-FNBP4	chr11	47742191	-	chr11	47742191	-	CELFI	ENST00000310513	chr11	47742191	-	Y.3UTR-CDS-1X	0	0	1	2	3UTR-CDS
CELFI-MTCH2	chr11	474739051	-	chr11	474739051	-	CELFI	ENST00000310513	chr11	474739051	-	N.CDS-CDS-19X	0	1	1	2	Out-of-frame
CELFI-FNBP4	chr11	474739051	-	chr11	474739051	-	CELFI	ENST00000310513	chr11	474739051	-	N.CDS-CDS-19X	0	1	1	2	Out-of-frame
CELFI-FNBP4	chr11	474739051	-	chr11	474739051	-	CELFI	ENST00000310513	chr11	474739051	-	N.CDS-CDS-19X	0	1	1	2	Out-of-frame
CELFI-STK32A	chr11	474739051	-	chr5	147323898	-	CELFI	ENST00000310513	chr11	474739051	-	Y.CDS-CDS	0	1	1	4	In-frame
CELFI-LUZP2	chr11	47499453	-	chr11	47499453	-	CELFI	ENST00000310513	chr11	47499453	-	N.CDS-SUTR-2X	0	0	1	1	Out-of-frame
CELFI-LUZP2	chr11	47499453	-	chr11	25050038	-	CELFI	ENST00000310513	chr11	25050038	-	N.CDS-CDS	0	0	1	2	Out-of-frame
CELFI-KBTBD4	chr11	47529292	-	chr11	47529292	-	CELFI	ENST00000310513	chr11	47529292	-	N.SUTR-CDS	0	0	1	3	SUTR-CDS
CELFI-LUZP2	chr11	47529292	-	chr18	3131496	-	CELFI	ENST00000310513	chr11	47529292	-	N.SUTR-CDS	0	0	1	3	SUTR-CDS
CELFI-LPTPM1	chr11	47529292	-	chr11	47529292	-	CELFI	ENST00000310513	chr11	47529292	-	N.SUTR-CDS	0	0	1	3	SUTR-CDS
CELFI-LPTPM1	chr11	47529292	-	chr20	3385952	-	CELFI	ENST00000310513	chr11	47529292	-	N.SUTR-CDS	0	0	1	3	SUTR-CDS
CELFI-LPTPM1	chr11	47529292	-	chr11	27119649	-	CELFI	ENST00000310513	chr11	27119649	-	N.SUTR-CDS	0	2	2	2	NA
CELFI-LPTPM1	chr11	47529292	-	chr11	47622776	-	CELFI	ENST00000310513	chr11	47622776	-	N.SUTR-CDS	0	0	1	1	NA
CELFI-LPTPM1	chr11	47529292	-	chr10	89203485	-	CELFI	ENST00000310513	chr10	89203485	-	Y.CDS-CDS	0	1	0	0	-
CELFI-LPTPM1	chr11	47529292	-	chr19	10017057	-	CELFI	ENST00000310513	chr19	10017057	-	Y.CDS-CDS	0	1	0	0	-
CELFI-LPTPM1	chr11	47529292	-	chr19	10017057	-	CELFI	ENST00000310513	chr19	10017057	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513	chr22	3225618	-	N.SUTR-CDS	0	0	1	1	In-frame
CELFI-LPTPM1	chr11	47529292	-	chr22	3225618	-	CELFI	ENST00000310513									

CHERP-HSHD2	chr19	16157210	+	CHERP	ENST00000198939	chr19	1653298	-	HS2D0	ENST0000051154	chr19	16157210	+	N.CDS-3UTR	0	0	1	1er1	Out-of-frame
CHERP-CPADM8	chr19	16541870	-	CHERP	ENST00000198939	chr19	16541870	-	CPAD8	ENST00000388925	chr19	16541870	-	N.CDS-SUTR-1X	0	0	1	1er1	Out-of-frame
CHERP-HA4	chr19	16543570	-	CHERP	ENST00000198939	chr19	16543570	-	RHA4	ENST000001175	chr19	16543570	-	Y.CDS-CDS	0	0	1	1er1	Out-of-frame
CHRF-ZNF565	chr12	13285343	+	CHRF	ENST00000268884	chr12	13285343	+	ZNF565	ENST00000304116	chr12	13285343	+	N.CDS-CDS-1MX	0	0	1	1er2	Out-of-frame
CHGB-LMCH1	chr20	5923073	+	CHGB	ENST00000378961	chr20	5923073	+	LMCH1	ENST00000313860	chr20	5923073	+	Y.CDS-CDS	0	0	1	1er4	NA
CHGB-IGF2	chr20	5923073	+	CHGB	ENST00000378961	chr20	5923073	+	IGF2	ENST00000381389	chr20	5923073	+	N.CDS-CDS-7X	0	0	3	1er1	NA
CHGB-CLU	chr20	5923073	+	CHGB	ENST00000378961	chr20	5923073	+	CLU	ENST00000316403	chr20	5923073	+	Y.CDS-SUTR	0	0	1	1er4	NA
CH3L1-CBS	chr1	203178931	-	CH3L1	ENST00000255409	chr1	203178931	-	CBS	ENST00000458223	chr1	203178931	-	N.3UTR-CDS-12X	0	0	1	1er3	NA
CH3L1-TSD4	chr1	203178931	-	CH3L1	ENST00000255409	chr1	203178931	-	TSD4	ENST00000261862	chr1	203178931	-	N.3UTR-CDS-12X	0	0	1	1er3	3UTR-CDS
CH3L1-APOA2	chr1	203178931	-	CH3L1	ENST00000255409	chr1	203178931	-	APOA2	ENST00000367993	chr1	203178931	-	N.3UTR-SUTR-13X	0	0	1	1er4	3UTR-SUTR
CH3L1-UTRN	chr1	203178931	-	CH3L1	ENST00000255409	chr1	203178931	-	UTRN	ENST00000421035	chr1	203178931	-	N.3UTR-SUTR	0	0	1	1er3	NA
CH3L1-PTPRZ1	chr1	203184576	-	CH3L1	ENST00000255409	chr1	203184576	-	PTPRZ1	ENST00000393386	chr1	203184576	-	Y.CDS-CDS	0	1	0	0	-
CH3L1-PTPRZ1	chr1	203184576	-	CH3L1	ENST00000255409	chr1	203184576	-	PTPRZ1	ENST00000449182	chr1	203184576	-	Y.CDS-CDS	0	1	0	0	-
CH3L1-CDX4	chrX	73545317	+	CH3L1	ENST00000375052	chrX	73545317	+	CDX4	ENST00000373514	chrX	73545317	+	N.CDS-CDS	0	0	1	1er1	Out-of-frame
CHIC2-SIPA13	chr4	54048955	-	CHIC2	ENST00000263921	chr4	54048955	-	SIPA13	ENST00000222345	chr4	54048955	-	Y.CDS-SUTR-4X	0	0	1	1er1	CDS-SUTR
CHIC2-TSGA10	chr4	54048955	-	CHIC2	ENST00000263921	chr4	54048955	-	TSGA10	ENST00000355053	chr4	54048955	-	N.CDS-CDS-4X	0	1	1	1er1	Out-of-frame
CHIC2-MANBA	chr4	54048955	-	CHIC2	ENST00000263921	chr4	54048955	-	MANBA	ENST00000226578	chr4	54048955	-	N.CDS-CDS	0	0	1	1er1	Out-of-frame
CHKA-NADSYN1	chr11	68068879	-	CHKA	ENST00000265689	chr11	68068879	-	NADSYN1	ENST00000319023	chr11	68068879	-	N.CDS-CDS-7X	0	0	1	1er3	Out-of-frame
CHKA-GDPD5	chr11	68074717	-	CHKA	ENST00000265689	chr11	68074717	-	GDPD5	ENST00000336898	chr11	68074717	-	Y.CDS-CDS	0	1	1	1er1	In-frame
CHKA-GDPD5	chr11	68074717	-	CHKA	ENST00000265689	chr11	68074717	-	GDPD5	ENST00000336898	chr11	68074717	-	Y.CDS-CDS	0	1	1	1er1	In-frame
CHKA-HNF1B	chr11	68074717	-	CHKA	ENST00000265689	chr11	68074717	-	HNF1B	ENST00000613727	chr11	68074717	-	N.CDS-CDS	0	0	1	1er1	In-frame
CHKA-PAK1	chr11	68074717	-	CHKA	ENST00000265689	chr11	68074717	-	PAK1	ENST00000278588	chr11	68074717	-	N.CDS-CDS	0	0	1	1er2	Out-of-frame
CHKA-PC	chr11	68074717	-	CHKA	ENST00000265689	chr11	68074717	-	PC	ENST00000393955	chr11	68074717	-	Y.CDS-CDS	0	0	1	1er1	Out-of-frame
CHKA-XRRA1	chr11	68120828	-	CHKA	ENST00000265689	chr11	68120828	-	XRRA1	ENST00000340350	chr11	68120828	-	N.CDS-CDS	0	2	1	1er1	Out-of-frame
CHKA-CGNB3	chr11	68120828	-	CHKA	ENST00000265689	chr11	68120828	-	CGNB3	ENST00000276014	chr11	68120828	-	Y.CDS-SUTR-2X	0	0	1	1er3	CDS-SUTR
CHKA-SHANK2	chr11	68120828	-	CHKA	ENST00000265689	chr11	68120828	-	SHANK2	ENST00000425049	chr11	68120828	-	N.CDS-CDS	0	0	1	1er2	Out-of-frame
CHM-KCNIP4	chrX	85894188	-	CHM	ENST00000357749	chrX	85894188	-	KCNIP4	ENST00000382148	chrX	85894188	-	Y.CDS-CDS	0	1	1	1er4	In-frame
CHM-KLHL4	chrX	86027491	-	CHM	ENST00000357749	chrX	86027491	-	KLHL4	ENST00000373114	chrX	86027491	-	Y.CDS-CDS	0	1	1	1er1	In-frame
CHMP1A-FANCA	chr16	89653904	-	CHMP1A	ENST00000397901	chr16	89653904	-	FANCA	ENST00000389301	chr16	89653904	-	N.CDS-CDS	0	0	1	1er1	Out-of-frame
CHMP1A-FANCA	chr16	89653904	-	CHMP1A	ENST00000397901	chr16	89653904	-	FANCA	ENST00000389301	chr16	89653904	-	N.CDS-CDS	0	0	1	1er1	Out-of-frame
CHMP1A-FANCA	chr16	89653904	-	CHMP1A	ENST00000397901	chr16	89653904	-	FANCA	ENST00000389301	chr16	89653904	-	N.CDS-CDS	0	0	1	1er4	Out-of-frame
CHMP3-REEP1	chr2	86563304	-	CHMP3	ENST00000409727	chr2	86563304	-	REEP1	ENST00000165698	chr2	86563304	-	Y.CDS-CDS	0	1	0	0	-
CHMP3-REEP1	chr2	86563304	-	CHMP3	ENST00000409727	chr2	86563304	-	REEP1	ENST00000358924	chr2	86563304	-	Y.CDS-CDS	0	1	0	0	-
CHMP3-REEP1	chr2	86563304	-	CHMP3	ENST00000409727	chr2	86563304	-	REEP1	ENST00000165698	chr2	86563304	-	Y.CDS-CDS	0	1	0	0	-
CHMP3-REEP1	chr2	86563304	-	CHMP3	ENST00000263856	chr2	86563304	-	REEP1	ENST00000165698	chr2	86563304	-	Y.CDS-CDS	0	1	0	0	-
CHMP3-REEP1	chr2	86563304	-	CHMP3	ENST00000263856	chr2	86563304	-	REEP1	ENST00000358924	chr2	86563304	-	Y.CDS-CDS	0	1	0	0	-
CHMP4-CBF2A2	chr20	33811658	+	CHMP4	ENST00000217402	chr20	33811658	+	CBF2A2	ENST00000372379	chr20	33811658	+	N.CDS-CDS-5X	0	1	1	1er1	Out-of-frame
CHMP4-CBF2A2	chr20	33811658	+	CHMP4	ENST00000217402	chr20	33811658	+	CBF2A2	ENST00000342704	chr20	33811658	+	Y.CDS-CDS	0	1	1	1er1	In-frame
CHMP4-CBF2A2	chr20	33811658	+	CHMP4	ENST00000217402	chr20	33811658	+	CBF2A2	ENST00000342704	chr20	33811658	+	Y.CDS-CDS	0	1	1	1er1	In-frame
CHMP4-ZNF341	chr20	33822203	+	CHMP4	ENST00000217402	chr20	33822203	+	ZNF341	ENST00000342427	chr20	33822203	+	Y.CDS-CDS	0	1	0	0	-
CHMP5-VMP1	chr9	33266114	+	CHMP5	ENST00000223501	chr9	33266114	+	VMP1	ENST00000262291	chr9	33266114	+	Y.CDS-CDS	0	1	0	0	-
CHN1-TSGA10	chr2	17500484	-	CHN1	ENST00000409156	chr2	17500484	-	TSGA10	ENST00000355053	chr2	17500484	-	N.CDS-SUTR-7X	0	0	1	1er2	CDS-SUTR
CHN2-SKAP2	chr7	29194990	-	CHN2	ENST00000495789	chr7	29194990	-	SKAP2	ENST00000345317	chr7	29194990	-	Y.CDS-CDS	0	1	0	0	-
CHN2-SKAP2	chr7	29194990	-	CHN2	ENST00000495789	chr7	29194990	-	SKAP2	ENST00000345317	chr7	29194990	-	Y.CDS-CDS	0	1	0	0	-
CHP1-ARHGAP42	chr15	41231449	+	CHP1	ENST00000334660	chr15	41231449	+	ARHGAP42	ENST00000298815	chr15	41231449	+	Y.CDS-CDS	0	1	0	0	-
CHP1-ARHGAP42	chr15	41231449	+	CHP1	ENST00000334660	chr15	41231449	+	ARHGAP42	ENST00000298815	chr15	41231449	+	Y.CDS-CDS	0	1	0	0	-
CHP1-RADS1	chr15	41270618	+	CHP1	ENST00000334660	chr15	41270618	+	RADS1	ENST00000267868	chr15	41270618	+	Y.CDS-CDS	0	1	0	0	-
CHPT1-MYBPC1	chr12	101698134	+	CHPT1	ENST00000223266	chr12	101698134	+	MYBPC1	ENST00000361466	chr12	101698134	+	N.CDS-CDS	0	0	1	1er1	Out-of-frame
CHPT1-TXNRD1	chr12	104313245	+	CHPT1	ENST00000223266	chr12	104313245	+	TXNRD1	ENST00000354940	chr12	104313245	+	Y.CDS-CDS	0	1	1	1er1	In-frame
CHPT1-TXNRD1	chr12	104313245	+	CHPT1	ENST00000223266	chr12	104313245	+	TXNRD1	ENST00000354940	chr12	104313245	+	Y.CDS-CDS	0	1	1	1er1	In-frame
CHRD1-LC25A5	chrX	110719835	+	CHRD1	ENST00000372042	chrX	110719835	+	LC25A5	ENST00000317881	chrX	110719835	+	Y.CDS-CDS	0	1	0	0	-
CHRD2-COPB1	chr11	14469563	+	CHRD2	ENST00000263671	chr11	14469563	+	COPB1	ENST00000249923	chr11	14469563	+	Y.CDS-CDS	0	1	0	0	-
CHRM3-SYT14	chr1	210094322	+	CHRM3	ENST00000255380	chr1	210094322	+	SYT14	ENST00000367015	chr1	210094322	+	N.5UTR-CDS-1X	0	0	1	1er1	SUTR-CDS
CHRM3-CASQ1	chr1	239827378	+	CHRM3	ENST00000255380	chr1	239827378	+	CASQ1	ENST00000368078	chr1	239827378	+	N.5UTR-CDS-4X	0	0	1	1er1	SUTR-CDS
CHRN3-RB1CC1	chr8	52645867	+	CHRN3	ENST00000289957	chr8	52645867	+	RB1CC1	ENST00000250908	chr8	52645867	+	N.CDS-CDS-5X	0	0	1	1er1	Out-of-frame
CHST10-MAP4K4	chr2	101823928	+	CHST10	ENST00000264429	chr2	101823928	+	MAP4K4	ENST00000302217	chr2	101823928	+	Y.CDS-CDS	0	1	1	1er1	In-frame
CHST10-MAP4K4	chr2	101823928	+	CHST10	ENST00000264429	chr2	101823928	+	MAP4K4	ENST00000302217	chr2	101823928	+	Y.CDS-CDS	0	1	1	1er1	In-frame
CHST11-PTPR	chr12	104061991	+	CHST11	ENST00000303694	chr12	104061991	+	PTPR	ENST00000283228	chr12	104061991	+	Y.CDS-CDS	0	1	1	1er1	In-frame
CHST11-PTPR	chr12	104061991	+	CHST11	ENST00000303694	chr12	104061991	+	PTPR	ENST00000283228	chr12	104061991	+	Y.CDS-CDS	0	1	1	1er1	In-frame
CHST11-RFX4	chr12	106681993	+	CHST11	ENST00000303694	chr12	106681993	+	RFX4	ENST00000357881	chr12	106681993	+	Y.CDS-CDS	0	1	1	1er4	In-frame
CHST11-TXNRD1	chr12	104391339	+	CHST11	ENST00000303694	chr12	104391339	+	TXNRD1	ENST00000354940	chr12	104391339	+	Y.CDS-CDS	0	1	1	1er1	In-frame
CHST11-TXNRD1	chr12	104391339	+	CHST11	ENST00000303694	chr12	104391339	+	TXNRD1	ENST00000354940	chr12	104391339	+	Y.CDS-CDS-1X	0	1	1	1er1	In-frame
CHST11-ATP1B4	chr12	102366525	+	CHST11	ENST00000303694	chr12	102366525	+	ATP1B4	ENST00000218008	chr12	102366525	+	Y.CDS-CDS	0	1	1	1er1	In-frame
CHST11-HSP90B1	chr12	103939509	+	CHST11	ENST00000303694	chr12	103939509	+	HSP90B1	ENST00000299767	chr12	103939509	+	Y.CDS-CDS	0	1	0	0	-
CHST11-RFX4	chr12	106681993	+	CHST11	ENST00000303694	chr12	106681993	+	RFX4	ENST00000357881	chr12	106681993	+	Y.CDS-CDS	0	1	1	1er4	In-frame
CHST																			

CLIP4-BRE	ch2	29121521 +	ch2	28298338 +	BRE	ENST00000444773	ch2	28298338 +	YCD5-CDS	0	1	1	ter1	In-frame
CLK2-ASH1L	ch1	155266729 -	ch1	155343742 -	ASH1L	ENST00000368346	ch1	155343742 -	YCD5-CDS	0	1	1	ter1	In-frame
CLK2-D441	ch1	155266729 -	ch1	155266729 -	CLK2	ENST00000355660	ch1	155266729 -	NCD5-CDS	0	1	1	ter1	Out-of-frame
CLK2-PPP1R12B	ch1	155273201 -	ch1	202488533 -	PPP1R12B	ENST00000200419	ch1	202488533 -	N5UTR-SUTR-1X	0	1	1	ter1	SUTR-CDS
CLK3-ZSWIM7	ch15	15978068 -	ch17	15978068 -	ZSWIM7	ENST00000399277	ch17	15978068 -	NCD5-CDS-2X	0	1	0	0	0
CLMN-SOS2	ch14	95319711 -	ch14	50120384 -	SOS2	ENST00000216373	ch14	50120384 -	YCD5-CDS	0	1	1	ter1	In-frame
CLMN-VT1B	ch14	95319711 -	ch14	67653498 -	VT1B	ENST00000546559	ch14	67653498 -	NCD5-CDS	0	1	1	ter1	Out-of-frame
CLMN-WDR20	ch14	95319711 -	ch14	102222830 +	WDR20	ENST00000335263	ch14	102222830 +	NCD5-CDS	0	1	1	ter1	Out-of-frame
CLMN-EVL	ch14	95319711 -	ch14	100084687 +	EVL	ENST00000392520	ch14	100084687 +	NCD5-CDS	0	1	1	ter1	Out-of-frame
CLN3-C15orf52	ch16	28484006 -	ch16	92500358 -	C15orf52	ENST00000558685	ch16	92500358 -	NCD5-SUTR-4X	0	1	1	ter1	Out-of-frame
CLN3-C15orf3	ch16	28484006 -	ch16	92500358 -	C15orf3	ENST00000558685	ch16	92500358 -	NCD5-SUTR-1X	0	1	1	ter1	Out-of-frame
CLN6-FBXL17	ch15	68229502 -	ch15	108348530 -	FBXL17	ENST00000359660	ch15	108348530 -	NCD5-CDS	0	1	1	ter4	Out-of-frame
CLN6-C15orf59	ch15	68229502 -	ch15	73740642 -	C15orf59	ENST00000379822	ch15	73740642 -	NCD5-CDS	0	1	1	ter1	Out-of-frame
CLN6-FBXL17	ch15	68229502 -	ch15	108348530 -	FBXL17	ENST00000359660	ch15	108348530 -	NCD5-CDS	0	1	1	ter4	Out-of-frame
CLN6-C15orf59	ch15	68229502 -	ch15	73740642 -	C15orf59	ENST00000379822	ch15	73740642 -	NCD5-CDS	0	1	1	ter1	Out-of-frame
CLN6-PQRS	ch15	68229502 -	ch15	69373741 +	PQRS	ENST00000395407	ch15	69373741 +	NCD5-SUTR-4X	0	1	1	ter2	CDS-SUTR
CLNK-WDR7	ch16	10540494 -	ch16	10540494 -	WDR7	ENST00000265107	ch16	10540494 -	NCD5-CDS-11X	0	0	2	ter3	Out-of-frame
CLNS1A-AQP11	ch11	77624963 -	ch11	77603556 +	AQP11	ENST00000313578	ch11	77603556 +	YCD5-CDS	0	1	1	ter1	In-frame
CLNS1A-DCBLD1	ch11	77637590 -	ch11	117532260 +	DCBLD1	ENST00000296955	ch11	117532260 +	NCD5-CDS	0	1	0	0	0
CLNS1A-DCBLD1	ch11	77637590 -	ch11	117532260 +	DCBLD1	ENST00000296955	ch11	117532260 +	NCD5-CDS	0	1	0	0	0
CLNS1A-DCBLD1	ch11	77637590 -	ch11	117532260 +	DCBLD1	ENST00000296955	ch11	117532260 +	NCD5-CDS	0	1	0	0	0
CLNS1A-DCBLD1	ch11	77637590 -	ch11	117532260 +	DCBLD1	ENST00000296955	ch11	117532260 +	NCD5-CDS	0	1	0	0	0
CLNS1A-DCBLD1	ch11	77637590 -	ch11	117532260 +	DCBLD1	ENST00000296955	ch11	117532260 +	NCD5-CDS	0	1	0	0	0
CLNS1A-DCBLD1	ch11	77637590 -	ch11	117532260 +	DCBLD1	ENST00000296955	ch11	117532260 +	NCD5-CDS	0	1	0	0	0
CLNS1A-DCBLD1	ch11	77637590 -	ch11	117532260 +	DCBLD1	ENST00000296955	ch11	117532260 +	NCD5-CDS	0	1	0	0	0
CLOCK-SRD5A3	ch4	5542432 -	ch4	55393946 -	SRD5A3	ENST00000262228	ch4	55393946 -	YCD5-CDS	0	1	1	ter4	In-frame
CLOCK-PHF21A	ch4	55453054 -	ch11	45979966 -	PHF21A	ENST00000321800	ch11	45979966 -	YCD5-CDS	0	1	1	ter1	In-frame
CLOCK-NMU	ch4	55455897 -	ch4	55595411 -	NMU	ENST00000264218	ch4	55595411 -	NCD5-SUTR	0	1	1	ter1	CDS-SUTR
CLOCK-PDGFR4	ch4	55509912 -	ch4	54287430 +	PDGFR4	ENST00000257290	ch4	54287430 +	N5UTR-CDS	0	1	1	ter1	SUTR-CDS
CLOCK-UGT2A3	ch4	55546782 -	ch4	68932759 -	UGT2A3	ENST00000251566	ch4	68932759 -	N5UTR-CDS	0	1	1	ter1	SUTR-CDS
CLPB-FCHSD2	ch11	72902638 -	ch11	72902638 -	FCHSD2	ENST00000311172	ch11	72902638 -	YCD5-CDS	0	1	1	ter1	In-frame
CLPB-FCHSD2	ch11	72902638 -	ch11	72902638 -	FCHSD2	ENST00000311172	ch11	72902638 -	YCD5-CDS	0	1	1	ter1	In-frame
CLPB-FCHSD2	ch11	72902638 -	ch11	72902638 -	FCHSD2	ENST00000311172	ch11	72902638 -	YCD5-CDS	0	1	1	ter1	In-frame
CLPB-FCHSD2	ch11	72902638 -	ch11	72902638 -	FCHSD2	ENST00000311172	ch11	72902638 -	YCD5-CDS	0	1	1	ter1	In-frame
CLPB-FCHSD2	ch11	72902638 -	ch11	72902638 -	FCHSD2	ENST00000311172	ch11	72902638 -	YCD5-CDS	0	1	1	ter1	In-frame
CLPB-ARMC4	ch11	72301803 -	ch10	27940805 -	ARMC4	ENST00000305242	ch10	27940805 -	YCD5-CDS	0	1	0	0	0
CLPB-CCDC3	ch11	72329707 -	ch11	74106493 -	CCDC3	ENST00000313663	ch11	74106493 -	YCD5-CDS	0	1	1	ter1	In-frame
CLPB-PTP11	ch11	72329707 -	ch20	50574517 +	PTP11	ENST00000371621	ch20	50574517 +	YCD5-CDS	0	1	1	ter1	In-frame
CLPB-SHANK2	ch11	72358880 -	ch11	70689763 -	SHANK2	ENST00000426867	ch11	70689763 -	NCD5-CDS	0	1	1	ter1	In-frame
CLPTM1-US2	ch11	72358880 -	ch13	29100773 +	US2	ENST00000255289	ch13	29100773 +	NCD5-SUTR-1X	0	1	1	ter2	In-frame
CLPB-MTUS2	ch11	72358880 -	ch13	29100773 +	MTUS2	ENST00000255289	ch13	29100773 +	NCD5-SUTR-1X	0	1	1	ter2	In-frame
CLPB-CTNNA2	ch11	72380281 -	ch11	80393211 +	CTNNA2	ENST00000343114	ch11	80393211 +	NCD5-CDS-3X	0	1	1	ter1	Out-of-frame
CLPB-TMEM134	ch11	72430312 -	ch11	67488092 -	TMEM134	ENST00000308022	ch11	67488092 -	YCD5-CDS	0	1	0	0	0
CLPTM1-RP55	ch19	44955467 +	ch19	58393359 +	RP55	ENST00000196551	ch19	58393359 +	YCD5-CDS	0	1	0	0	0
CLPTM1-AP1M1	ch19	44955467 +	ch19	16226421 +	AP1M1	ENST00000291439	ch19	16226421 +	YCD5-CDS	0	1	1	ter1	In-frame
CLPTM1-CEACAM16	ch19	44962075 +	ch19	44710496 +	CEACAM16	ENST00000405314	ch19	44710496 +	NCD5-CDS	0	1	1	ter4	Out-of-frame
CLPTM1-CEACAM16	ch19	44962075 +	ch19	44710496 +	CEACAM16	ENST00000405314	ch19	44710496 +	NCD5-CDS	0	1	1	ter4	Out-of-frame
CLPTM1-CEACAM16	ch19	44962075 +	ch19	44710496 +	CEACAM16	ENST00000405314	ch19	44710496 +	NCD5-CDS	0	1	1	ter4	Out-of-frame
CLPTM1-CBLC	ch19	44962075 +	ch19	44790004 +	CBLC	ENST00000270279	ch19	44790004 +	YCD5-CDS	0	1	1	ter1	In-frame
CLPTM1-OPA3	ch19	44962075 +	ch19	45539111 -	OPA3	ENST00000263275	ch19	45539111 -	NCD5-CDS	0	1	1	ter3	Out-of-frame
CLPTM1-CYP2A7	ch19	44985303 +	ch19	40880628 -	CYP2A7	ENST00000291764	ch19	40880628 -	NCD5-CDS	0	1	1	ter1	Out-of-frame
CLPTM1-PDCDC6	ch5	1320616 -	ch5	304177 +	PDCDC6	ENST00000264933	ch5	304177 +	NCD5-CDS-21X	0	1	1	ter1	Out-of-frame
CLPTM1-VARS	ch5	13175924 -	ch5	13175924 -	VARS	ENST00000265289	ch5	13175924 -	YCD5-SUTR	0	1	1	ter1	Out-of-frame
CLPTM1-CDHR2	ch5	1341671 -	ch5	17681343 +	CDHR2	ENST00000261944	ch5	17681343 +	YCD5-SUTR	0	1	1	ter1	Out-of-frame
CLPTM1-CDHR2	ch5	1341671 -	ch5	17681343 +	CDHR2	ENST00000261944	ch5	17681343 +	YCD5-CDS	0	1	1	ter1	In-frame
CLPTM1-CDHR2	ch5	1341671 -	ch5	17681343 +	CDHR2	ENST00000261944	ch5	17681343 +	YCD5-CDS	0	1	1	ter1	In-frame
CLPTM1-PP2R5E	ch5	134351 -	ch14	63376108 -	PP2R5E	ENST00000422769	ch14	63376108 -	YCD5-CDS	0	1	0	0	0
CLPX-IGDCC4	ch15	65185075 -	ch15	65394548 -	IGDCC4	ENST00000352385	ch15	65394548 -	YCD5-CDS	0	1	1	ter2	In-frame
CLSTN1-ANXA1	ch1	9729028 -	ch1	9729028 -	ANXA1	ENST00000361131	ch1	9729028 -	Y3UTR-SUTR-19X	0	0	1	ter3	3UTR-SUTR
CLSTN1-CTNBP1	ch1	9749481 -	ch1	9850776 -	CTNBP1	ENST00000377256	ch1	9850776 -	YCD5-CDS	0	1	1	ter1	In-frame
CLSTN1-CTNBP1	ch1	9749481 -	ch1	9850776 -	CTNBP1	ENST00000377256	ch1	9850776 -	YCD5-CDS	0	1	1	ter1	In-frame
CLSTN1-PLKXG5	ch1	9773272 -	ch1	9773272 -	PLKXG5	ENST00000340850	ch1	9773272 -	NCD5-SUTR	0	1	1	ter1	Out-of-frame
CLSTN1-CTNBP1	ch1	9773272 -	ch1	9850776 -	CTNBP1	ENST00000377256	ch1	9850776 -	YCD5-CDS	0	1	1	ter1	In-frame
CLSTN1-SPA17	ch11	9823643 -	ch11	124691696 +	SPA17	ENST00000227135	ch11	124691696 +	NCD5-CDS	0	1	0	0	0
CLSTN1-IFFO2	ch1	9823643 -	ch1	18921121 -	IFFO2	ENST00000416166	ch1	18921121 -	NCD5-CDS	0	1	1	ter3	Out-of-frame
CLSTN2-PCOLCE2	ch3	140566210 +	ch3	142821045 +	PCOLCE2	ENST00000485766	ch3	142821045 +	YCD5-CDS	0	1	0	0	0
CLSTN3-C18	ch12	7136391 +	ch12	7061752 +	C18	ENST00000328916	ch12	7061752 +	NCD5-SUTR	0	1	1	ter1	CDS-SUTR
CLSTN3-LRRC2	ch12	7143311 +	ch12	6913891 +	LRRC2	ENST00000079699	ch12	6913891 +	NCD5-CDS-17X	0	1	1	ter1	In-frame
CLTA-UBE2R2	ch9	36204179 +	ch9	33911964 +	UBE2R2	ENST00000263228	ch9	33911964 +	YCD5-CDS	0	1	1	ter1	In-frame
CLTA-UBE2R2	ch9	36204179 +	ch9	33911964 +	UBE2R2	ENST00000263228	ch9	33911964 +	YCD5-CDS	0	1	1	ter1	In-frame
CLTC-EPB41L3	ch17	59620173 +	ch18	5397426 -	EPB41L3	ENST00000341928	ch18	5397426 -	YCD5-CDS	0	1	0	0	0
CLTC-PTRH2	ch17	59620173 +	ch17	59697978 -	PTRH2	ENST00000393038	ch17	59697978 -	YCD5-CDS	0	1	1	ter1	In-frame
CLTC-PTP11	ch17	59620173 +	ch17	59620173 +	PTP11	ENST00000371621	ch17	59620173 +	YCD5-CDS	0	1	1	ter1	In-frame
CLTC-DNAH17	ch17	59620173 +	ch17	78515022 -	DNAH17	ENST00000389840	ch17	78515022 -	YCD5-CDS	0	1	1	ter1	In-frame
CLTC-USP32	ch17	59620173 +	ch17	60345608 -	USP32	ENST00000300896	ch17	60345608 -	NCD5-CDS	0	1	1	ter1	Out-of-frame
CLTC-CEP95	ch17	5961643 +	ch17	64536602 +	CEP95	ENST00000553412	ch17	64536602 +	YCD5-CDS	0	1	0	0	0
CLTC-ETV4	ch17	59666977 +	ch17	43536479 -	ETV4	ENST00000545089	ch17	43536479 -	YCD5-CDS	0	1	1	ter1	In-frame
CLTC-ETV4	ch17	59666977 +	ch17	43536479 -	ETV4	ENST00000519349	ch17	43536479 -	YCD5-CDS	0	1	1	ter1	In-frame
CLU-APL3	ch8	27597997 -	ch22	36145599 -	APL3	ENST00000349314	ch22	36145599 -	N3UTR-CDS	0	1	1	ter3	3UTR-SUTR
CLU-SEC3	ch8	27597997 -	ch11	68069824 -	SEC3	ENST00000369002	ch11	68069824 -	N3UTR-CDS-1X	0	1	1	ter3	3UTR-CDS
CLU-SEC3	ch8	27597997 -	ch6	107893578 -	SEC3	ENST00000369002	ch6	107893578 -	N3UTR-CDS-22X	0	1	1	ter3	NA
CLU-PPP1R12B	ch8	27597997 -	ch1											

COG6-LHFP	chr13	39655879 +	chr13	39378526 -	COG6	ENST00000379589	chr13	39655879 +	LHFP	ENST00000379589	chr13	39378526 -	N.CDS-CDS	0	0	1	1er2	Out-of-frame	
COG6-MAPK8	chr13	39660881 +	chr13	48431193 +	COG6	ENST00000365676	chr13	39660881 +	MAPK8	ENST00000365676	chr13	48431193 +	N.3UTR-CDS:1X	0	0	1	1er1	Out-of-frame	
COG6-STRBP1	chr13	39660881 +	chr13	39660881 +	COG6	ENST00000365676	chr13	39660881 +	STRBP1	ENST00000365676	chr13	39660881 +	N.3UTR-CDS:1X	0	0	1	1er1	In-frame	
COG6-DNAJC15	chr13	39725461 +	chr13	43085768 +	COG6	ENST00000365676	chr13	39725461 +	DNAJC15	ENST00000379221	chr13	43085768 +	N.3UTR-CDS:3X	0	0	1	1er1	Out-of-frame	
COG6-GRCS	chr13	39725461 +	chr13	92866282 +	COG6	ENST00000365676	chr13	39725461 +	GRCS	ENST00000377067	chr13	92866282 +	N.3UTR-CDS:1X	0	0	1	1er3	Out-of-frame	
COL11A1-ARL5C	chr1	102935060 -	chr17	39166617 -	COL11A1	ENST00000353414	chr1	102935060 -	ARL5C	ENST00000581554	chr17	39166617 -	N.CDS-SUTR	0	0	1	2er2	CDS-SUTR	
COL12A1-TDRD3	chr6	75091490 -	chr13	60567525 -	COL12A1	ENST00000483888	chr6	75091490 -	TDRD3	ENST00000377881	chr13	60567525 -	Y.CDS-CDS	0	1	0	0	0	
COL12A1-TDRD3	chr6	75091490 -	chr13	60567525 -	COL12A1	ENST00000322507	chr6	75091490 -	TDRD3	ENST00000377881	chr13	60567525 -	Y.CDS-CDS	0	1	0	0	0	
COL12A1-TDRD3	chr6	75091490 -	chr13	60567525 -	COL12A1	ENST00000322507	chr6	75091490 -	TDRD3	ENST00000377881	chr13	60567525 -	Y.CDS-CDS	0	1	0	0	0	
COL14A1-SREBF2	chr8	120228769 -	chr22	41875337 -	COL14A1	ENST00000297848	chr8	120228769 -	SREBF2	ENST00000361204	chr22	41875337 -	N.CDS-CDS:4X	0	0	1	1er1	Out-of-frame	
COL18A1-CPSF6	chr1	31653599 -	chr12	69269512 +	COL18A1	ENST00000372672	chr1	31653599 -	CPSF6	ENST00000266679	chr12	69269512 +	N.CDS-SUTR	0	0	2	1er1	CDS-SUTR	
COL18A1-ADARB1	chr21	45450473 +	chr21	45171610 +	COL18A1	ENST00000403220	chr21	45450473 +	ADARB1	ENST00000348831	chr21	45171610 +	Y.CDS-SUTR	0	0	1	1er1	CDS-SUTR	
COL18A1-HSPA5	chr21	45512263 +	chr9	125241343 -	COL18A1	ENST00000342220	chr21	45512263 +	HSPA5	ENST00000324460	chr9	125241343 -	N.CDS-ND:1X	0	0	1	1er3	NA	
COL18A1-SNW1	chr21	45513719 +	chr14	77722860 -	COL18A1	ENST00000342220	chr21	45513719 +	SNW1	ENST00000261531	chr14	77722860 -	N.3UTR-ND:1X	0	0	1	1er4	3UTR-CDS	
COL18A1-MYF6	chr21	45513720 +	chr10	93377429 -	COL18A1	ENST00000342220	chr21	45513720 +	MYF6	ENST00000358584	chr10	93377429 -	N.3UTR-CDS:1X	0	0	1	1er4	3UTR-CDS	
COL1A1-BGN	chr17	50191788 -	chr17	15355863 -	COL1A1	ENST00000225964	chr17	50191788 -	BGN	ENST00000331595	chr17	15355863 -	Y.CDS-CDS	0	1	0	0	0	
COL1A1-AEBP1	chr17	50196484 -	chr17	44112142 -	COL1A1	ENST00000225964	chr17	50196484 -	AEBP1	ENST00000223357	chr17	44112142 -	Y.CDS-CDS	0	1	0	0	0	
COL1A2-POSTN	chr7	94399084 +	chr13	37587986 -	COL1A2	ENST00000297268	chr7	94399084 +	POSTN	ENST00000379742	chr13	37587986 -	Y.CDS-CDS	0	1	0	0	0	
COL1A2-MYO1C	chr7	94404601 +	chr17	14786900 -	COL1A2	ENST00000297268	chr7	94404601 +	MYO1C	ENST00000359786	chr17	14786900 -	Y.CDS-CDS:1X	0	1	0	0	0	
COL1A2-FSTL1	chr7	94425683 +	chr3	120416027 -	COL1A2	ENST00000297268	chr7	94425683 +	FSTL1	ENST00000295633	chr3	120416027 -	Y.CDS-CDS	0	1	0	0	0	
COL1A2-WNT2	chr7	94425683 +	chr7	117297876 -	COL1A2	ENST00000297268	chr7	94425683 +	WNT2	ENST00000265441	chr7	117297876 -	Y.CDS-CDS	0	1	1	1er2	In-frame	
COL1A2-HSP98	chr7	94429430 +	chr11	123061258 -	COL1A2	ENST00000297268	chr7	94429430 +	HSP98	ENST00000227378	chr11	123061258 -	Y.CDS-CDS	0	1	0	0	0	
COL21A1-DST	chr6	565168124 -	chr6	56517620 -	COL21A1	ENST00000370819	chr6	565168124 -	DST	ENST00000244364	chr6	56517620 -	Y.CDS-CDS	0	1	1	1er2	In-frame	
COL21A1-EFCAB1	chr6	56247387 -	chr8	48730644 -	COL21A1	ENST00000244728	chr6	56247387 -	EFCAB1	ENST00000262103	chr8	48730644 -	N.5UTR-CDS	0	0	1	1er4	5UTR-CDS	
COL22A1-RAD54B	chr8	94411315 -	chr8	94411315 -	COL22A1	ENST00000303045	chr8	94411315 -	RAD54B	ENST00000336148	chr8	94411315 -	Y.CDS-CDS	0	0	1	1er4	In-frame	
COL23A1-FAM193B	chr5	178560682 -	chr5	177520181 -	COL23A1	ENST00000390554	chr5	178560682 -	FAM193B	ENST00000504130	chr5	177520181 -	N.CDS-SUTR:2X	0	0	1	1er1	CDS-SUTR	
COL26A1-GOGC	chr7	101533143 +	chr7	30497235 -	COL26A1	ENST00000313669	chr7	101533143 +	GOGC	ENST00000409144	chr7	30497235 -	Y.CDS-CDS	0	1	0	0	0	
COL27A1-CUL9	chr9	114222207 +	chr9	43222779 +	COL27A1	ENST00000356083	chr9	114222207 +	CUL9	ENST00000252050	chr9	43222779 +	Y.CDS-CDS	0	1	1	1er2	In-frame	
COL27A1-ZNF618	chr9	114222715 +	chr9	113988321 +	COL27A1	ENST00000356083	chr9	114222715 +	ZNF618	ENST00000317881	chr9	113988321 +	N.CDS-CDS:16X	0	0	1	1er1	Out-of-frame	
COL27A1-C9orf43	chr9	114292108 +	chr9	113419108 +	COL27A1	ENST00000356083	chr9	114292108 +	C9orf43	ENST00000288462	chr9	113419108 +	N.CDS-CDS:26X	0	0	1	1er1	Out-of-frame	
COL27A1-ZNF618	chr9	114292210 +	chr9	113969117 +	COL27A1	ENST00000356083	chr9	114292210 +	ZNF618	ENST00000288466	chr9	113969117 +	Y.CDS-CDS	0	1	0	0	0	
COL2A1-ZNF609	chr12	48004237 -	chr15	64622827 +	COL2A1	ENST00000337299	chr12	48004237 -	ZNF609	ENST00000326648	chr15	64622827 +	N.CDS-CDS	0	1	1	1er3	Out-of-frame	
COL2A1-ZNF609	chr12	48004237 -	chr15	64622827 +	COL2A1	ENST00000380518	chr12	48004237 -	ZNF609	ENST00000326648	chr15	64622827 +	N.CDS-CDS	0	1	1	1er3	Out-of-frame	
COL3A1-CHST12	chr2	189005441 +	chr2	18242990 +	COL3A1	ENST00000304636	chr2	189005441 +	CHST12	ENST00000258711	chr2	18242990 +	Y.CDS-CDS	0	1	0	0	0	
COL3A1-HSN2D	chr9	189005441 +	chr9	189005441 +	COL3A1	ENST00000304636	chr9	189005441 +	HSN2D	ENST00000313955	chr9	189005441 +	N.CDS-SUTR:2X	0	1	0	0	0	
COL3A1-DYNC1H1	chr2	189010793 +	chr14	102017230 -	COL3A1	ENST00000304636	chr2	189010793 +	DYNC1H1	ENST00000360184	chr14	102017230 -	N.CDS-CDS	0	1	0	0	0	
COL3A1-YWHAB	chr2	189010805 -	chr20	44901644 -	COL3A1	ENST00000304636	chr2	189010805 -	YWHAB	ENST00000353703	chr20	44901644 -	N.CDS-CDS	0	1	0	0	0	
COL3A1-CLU	chr2	189011723 +	chr8	27605125 -	COL3A1	ENST00000304636	chr2	189011723 +	CLU	ENST00000316403	chr8	27605125 -	Y.CDS-CDS	0	1	0	0	0	
COL3A1-SEC63	chr2	189012746 +	chr8	107893578 -	COL3A1	ENST00000304636	chr2	189012746 +	SEC63	ENST00000369002	chr8	107893578 -	N.3UTR-CDS:20X	0	1	0	1	1er3	NA
COL3A1-MMP14	chr2	189012746 +	chr14	22836620 +	COL3A1	ENST00000304636	chr2	189012746 +	MMP14	ENST00000311852	chr14	22836620 +	Y.3UTR-SUTR:2X	0	0	1	1er3	NA	
COL3A1-SUP118H	chr2	189012746 +	chr14	21361332 -	COL3A1	ENST00000304636	chr2	189012746 +	SUP118H	ENST00000216297	chr14	21361332 -	Y.3UTR-ND:3X	0	0	1	1er3	3UTR-CDS	
COL3A1-CTC5	chr2	189012746 +	chr8	144344101 +	COL3A1	ENST00000304636	chr2	189012746 +	CTC5	ENST00000280236	chr8	144344101 +	N.3UTR-SUTR	0	0	1	1er3	NA	
COL3A1-CTC5	chr2	189012746 +	chr5	10249921 +	COL3A1	ENST00000304636	chr2	189012746 +	CTC5	ENST00000280236	chr5	10249921 +	Y.3UTR-SUTR:10X	0	0	1	1er3	3UTR-SUTR	
COL3A1-ANXA1	chr2	189012746 +	chr9	73157654 +	COL3A1	ENST00000304636	chr2	189012746 +	ANXA1	ENST00000376911	chr9	73157654 +	Y.3UTR-SUTR:19X	0	0	1	1er3	3UTR-SUTR	
COL3A1-STAT6	chr2	189012746 +	chr12	57102990 -	COL3A1	ENST00000304636	chr2	189012746 +	STAT6	ENST00000555375	chr12	57102990 -	N.3UTR-SUTR:1X	0	0	1	1er3	NA	
COL3A1-PLAT	chr2	189012746 +	chr8	42193727 -	COL3A1	ENST00000304636	chr2	189012746 +	PLAT	ENST00000520523	chr8	42193727 -	N.3UTR-SUTR:1X	0	0	2	1er3	NA	
COL3A1-ERBB3	chr2	189012746 +	chr12	56098251 +	COL3A1	ENST00000304636	chr2	189012746 +	ERBB3	ENST00000548632	chr12	56098251 +	Y.3UTR-SUTR:5X	0	0	1	1er4	3UTR-SUTR	
COL3A1-SEC63	chr2	189012746 +	chr8	107893578 -	COL3A1	ENST00000304636	chr2	189012746 +	SEC63	ENST00000369002	chr8	107893578 -	N.CDS-ND	0	1	0	1	1er3	NA
COL3A1-CTC5	chr2	189012746 +	chr5	10249921 +	COL3A1	ENST00000304636	chr2	189012746 +	CTC5	ENST00000280236	chr5	10249921 +	Y.3UTR-SUTR:10X	0	0	1	1er3	3UTR-SUTR	
COL4A1-ZNF827	chr13	110148964 -	chr4	145938635 -	COL4A1	ENST00000375820	chr13	110148964 -	ZNF827	ENST00000508784	chr4	145938635 -	Y.3UTR-SUTR:2X	0	0	1	1er3	3UTR-SUTR	
COL4A1-ELK3	chr13	110148971 -	chr13	110148971 -	COL4A1	ENST00000375820	chr13	110148971 -	ELK3	ENST00000228741	chr13	110148971 -	N.3UTR-SUTR:32X	0	0	1	1er3	3UTR-SUTR	
COL4A1-FLNA	chr13	110173900 -	chrX	154350207 -	COL4A1	ENST00000375820	chr13	110173900 -	FLNA	ENST00000344736	chrX	154350207 -	Y.CDS-CDS	0	1	0	0	0	
COL4A1-ZNF675	chr13	110306944 -	chr19	23663158 -	COL4A1	ENST00000375820	chr13	110306944 -	ZNF675	ENST00000359788	chr19	23663158 -	Y.CDS-CDS	0	1	1	1er1	In-frame	
COL4A1-ZNF675	chr13	110306944 -	chr19	23663158 -	COL4A1	ENST00000543140	chr13	110306944 -	ZNF675	ENST00000359788	chr19	23663158 -	Y.CDS-CDS	0	1	1	1er1	In-frame	
COL4A2-STK24	chr13	110308123 +	chr13	98519474 -	COL4A2	ENST00000360467	chr13	110308123 +	STK24	ENST00000393717	chr13	98519474 -	N.CDS-ND	0	2	0	0	0	
COL4A2-NUBPL	chr13	110308123 +	chr14	31599289 +	COL4A2	ENST00000360467	chr13	110308123 +	NUBPL	ENST00000281081	chr14	31599289 +	Y.CDS-CDS	0	1	1	1er2	In-frame	
COL4A2-NRAP	chr13	110492177 +	chr10	113589079 -	COL4A2	ENST00000360467	chr13	110492177 +	NRAP	ENST00000359988	chr10	113589079 -	N.CDS-CDS:26X	0	0	1	1er4	Out-of-frame	
COL4A2-ELK3	chr13	110513027 +	chr12	96194545 +	COL4A2	ENST00000360467	chr13	110513027 +	ELK3	ENST00000228741	chr12	96194545 +	N.3UTR-SUTR:35X	0	0	1	1er3	3UTR-SUTR	
COL4A2-EEA1	chr13	110513027 +	chr12	92835427 -	COL4A2	ENST00000360467	chr13	110513027 +	EEA1	ENST00000322349	chr12	92835427 -	N.3UTR-ND:37X	0	0	1	1er3	NA	
COL4A2-CTC5	chr13	110513027 +	chr5	10249921 +	COL4A2	ENST00000360467	chr13	110513027 +	CTC5	ENST00000280236	chr5	10249921 +	Y.3UTR-SUTR:10X	0	0	1	1er3	3UTR-SUTR	
COL4A5-RC3H1	chrX																		

CPD-TMEM132E	ch17	30385236 +	ch17	34626127 +	CPD	ENST00000225719	ch17	30385236 +	TMEM132E	ENST00000321639	ch17	34626127 +	Y-CDS-CDS	0	1	1	1	er1	In-frame
CPD-HDAC5	ch17	30385236 +	ch17	44093834 -	CPD	ENST00000225719	ch17	30385236 +	HDAC5	ENST00000225983	ch17	44093834 -	Y-CDS-CDS	0	1	1	1	er1	In-frame
CPD-NF1	ch17	30430977 +	ch17	37069063 +	CPD	ENST00000225719	ch17	30430977 +	NF1	ENST00000356175	ch17	37069063 +	Y-CDS-CDS	0	1	1	1	er1	In-frame
CPD-PDE4D	ch17	30443071 +	ch17	31348120 +	CPD	ENST00000225719	ch17	30443071 +	PDE4D	ENST00000340635	ch17	31348120 +	Y-CDS-CDS	0	1	1	1	er1	In-frame
CPE-ARHGGEF4	ch4	165498320 +	ch4	59215968 -	CPE	ENST00000402744	ch4	165498320 +	ARHGGEF4	ENST00000326016	ch4	59215968 -	Y3UTR-SUTR8X	0	0	1	1	er3	3UTR-SUTR
CPEB1-CRT3C	ch15	82647856 -	ch15	90607378 +	CPEB1	ENST00000615198	ch15	82647856 -	CRT3C	ENST00000268184	ch15	90607378 +	N-CDS-CDS	0	0	1	1	er2	Out-of-frame
CPEB2-LDB2	ch4	15007586 +	ch4	16512104 -	CPEB2	ENST00000259997	ch4	15007586 +	LDB2	ENST00000304523	ch4	16512104 -	Y-CDS-CDS	0	1	1	1	er2	In-frame
CPEB4-STK32A	ch5	17395272 +	ch5	147370654 +	CPEB4	ENST00000265085	ch5	17395272 +	STK32A	ENST00000397936	ch5	147370654 +	Y-CDS-CDS	0	1	1	1	er3	In-frame
CPEB1-BCC2	ch7	112171430 +	ch7	12213724 +	CPEB1	ENST00000310396	ch7	112171430 +	BCC2	ENST00000357685	ch7	11213724 +	Y-CDS-CDS	0	1	1	1	er1	In-frame
CRXL1-GAK	ch4	824492 -	ch4	851974 -	CRXL1	ENST00000340662	ch4	824492 -	GAK	ENST00000314167	ch4	851974 -	Y-CDS-CDS	0	1	1	1	er4	In-frame
CPM-CCT2	ch12	68885792 +	ch12	69592976 +	CPM	ENST00000338356	ch12	68885792 +	CCT2	ENST00000299300	ch12	69592976 +	Y-CDS-CDS	0	1	1	1	er1	In-frame
CPM-NUP107	ch12	68932678 +	ch12	68741813 +	CPM	ENST0000051568	ch12	68932678 +	NUP107	ENST00000229179	ch12	68741813 +	N-CDS-CDS	0	1	1	1	er2	Out-of-frame
CPM-AVIL	ch12	68932678 +	ch12	57801212 -	CPM	ENST0000051568	ch12	68932678 +	AVIL	ENST00000257861	ch12	57801212 -	N-CDS-CDS	0	1	1	1	er2	Out-of-frame
CPM-GOL11B	ch12	68932678 +	ch12	21506885 +	CPM	ENST00000338356	ch12	68932678 +	GOL11B	ENST00000229314	ch12	21506885 +	Y-CDS-CDS	0	0	2	1	er1	In-frame
CPM-DNAH3	ch12	68932678 +	ch12	17230728 +	CPM	ENST00000338356	ch12	68932678 +	DNAH3	ENST00000353055	ch12	17230728 +	N-CDS-CDS	0	0	1	1	er1	In-frame
CPM-NUP107	ch12	68932678 +	ch12	68741813 +	CPM	ENST0000051568	ch12	68932678 +	NUP107	ENST00000229179	ch12	68741813 +	N-CDS-CDS	0	1	1	1	er2	Out-of-frame
CPM-AVIL	ch12	68932678 +	ch12	57801212 -	CPM	ENST00000338356	ch12	68932678 +	AVIL	ENST00000257861	ch12	57801212 -	N-CDS-CDS	0	1	1	1	er2	Out-of-frame
CPM-BEST3	ch12	68932678 +	ch12	69655813 +	CPM	ENST00000338356	ch12	68932678 +	BEST3	ENST00000330891	ch12	69655813 +	N-CDS-CDS	0	0	1	1	er1	Out-of-frame
CPM-KCNMA1	ch12	68932678 +	ch12	76910096 -	CPM	ENST00000338356	ch12	68932678 +	KCNMA1	ENST00000286627	ch12	76910096 -	Y-CDS-CDS	0	0	1	1	er1	In-frame
CPM-NUP107	ch12	68932678 +	ch12	68741813 +	CPM	ENST0000051568	ch12	68932678 +	NUP107	ENST00000229179	ch12	68741813 +	N-CDS-CDS	0	1	1	1	er2	Out-of-frame
CPM-AVIL	ch12	68932678 +	ch12	57801212 -	CPM	ENST00000338356	ch12	68932678 +	AVIL	ENST00000257861	ch12	57801212 -	N-CDS-CDS	0	1	1	1	er2	Out-of-frame
CPM-DMK3	ch10	10003614 -	ch10	102485733 -	CPM	ENST00000370416	ch10	10003614 -	DMK3	ENST00000369095	ch10	102485733 -	N-CDS-CDS-5X	0	0	1	1	er1	Out-of-frame
CPM1-NDUFB1	ch20	35626046 -	ch11	67608226 +	CPM1	ENST00000317877	ch20	35626046 -	NDUFB1	ENST00000528314	ch11	67608226 +	N3UTR-SUTR	0	0	1	1	er3	NA
CPNE1-DMD	ch20	35658930 -	chX	32390181 -	CPNE1	ENST00000352393	ch20	35658930 -	DMD	ENST00000357033	chX	32390181 -	N5UTR-CDS-1X	0	0	1	1	er1	SUTR-CDS
CPNEB-MGST1	ch12	38762121 +	ch12	16354231 +	CPNEB	ENST0000031366	ch12	38762121 +	MGST1	ENST0000010404	ch12	16354231 +	Y-CDS-SUTR	0	0	1	1	er1	CDS-SUTR
CPNEB-CILP	ch12	38776238 +	ch15	65204582 -	CPNEB	ENST0000031366	ch12	38776238 +	CILP	ENST00000261883	ch15	65204582 -	N-CDS-CDS-9X	0	0	1	1	er2	Out-of-frame
CPNEB-CNTN1	ch12	38873004 -	ch12	41014228 +	CPNEB	ENST0000031366	ch12	38873004 -	CNTN1	ENST00000347616	ch12	41014228 +	N-CDS-CDS	0	0	1	1	er2	Out-of-frame
CPNEB-PRMT8	ch12	38873004 -	ch12	3540606 +	CPNEB	ENST0000031366	ch12	38873004 -	PRMT8	ENST00000382622	ch12	3540606 +	Y-CDS-CDS	0	1	1	1	er1	In-frame
CPNEB-NDUFB1	ch12	38873004 -	ch12	3540606 +	CPNEB	ENST0000031366	ch12	38873004 -	NDUFB1	ENST00000382622	ch12	3540606 +	Y-CDS-CDS	0	1	1	1	er1	In-frame
CPNEB-CADM2	ch12	38873004 -	ch3	85802047 +	CPNEB	ENST0000031366	ch12	38873004 -	CADM2	ENST00000383699	ch3	85802047 +	N-CDS-CDS	0	0	1	1	er1	Out-of-frame
CPQ-MATN2	ch8	96785330 +	ch8	97930953 +	CPQ	ENST00000227073	ch8	96785330 +	MATN2	ENST00000254898	ch8	97930953 +	Y-CDS-CDS	0	1	1	1	er1	Out-of-frame
CPQ1-PLCD4	ch2	210579770 +	ch2	218615707 +	CPQ1	ENST00000233072	ch2	210579770 +	PLCD4	ENST00000415854	ch2	218615707 +	N-CDS-SUTR	0	0	1	1	er1	CDS-SUTR
CPQ1-MA2P	ch2	210582709 +	ch2	209705580 +	CPQ1	ENST00000233072	ch2	210582709 +	MA2P	ENST00000199940	ch2	209705580 +	Y-CDS-CDS	0	1	1	1	er1	Out-of-frame
CPQ1-MA2P	ch2	210592034 +	ch2	209723595 +	CPQ1	ENST00000233072	ch2	210592034 +	MA2P	ENST00000199940	ch2	209723595 +	Y-CDS-CDS	0	1	1	1	er1	Out-of-frame
CPQ1-PLK4HM3	ch2	210615541 +	ch2	20728496 -	CPQ1	ENST00000233072	ch2	210615541 +	PLK4HM3	ENST00000427836	ch2	20728496 -	N-CDS-SUTR	0	1	1	1	er1	In-frame
CPQ1-SGOL2	ch2	210650438 +	ch2	200583449 +	CPQ1	ENST00000233072	ch2	210650438 +	SGOL2	ENST00000357799	ch2	200583449 +	N-CDS-CDS-6X	0	1	1	1	er3	Out-of-frame
CPQ1-AHNAK	ch8	144395435 -	ch11	62433891 -	CPQ1	ENST00000252928	ch8	144395435 -	AHNAK	ENST00000252747	ch11	62433891 -	N5UTR-CDS-2X	0	0	1	1	er1	Out-of-frame
CPQ1-VP28	ch8	144439958 -	ch8	144423922 -	CPQ1	ENST00000533492	ch8	144439958 -	VP28	ENST00000292510	ch8	144423922 -	N5UTR-CDS	0	0	1	1	er1	Out-of-frame
CPQ1-ARHGAP39	ch8	144409015 -	ch8	144581277 -	CPQ1	ENST00000531042	ch8	144409015 -	ARHGAP39	ENST00000278262	ch8	144581277 -	N-CDS-CDS	0	0	1	1	er1	Out-of-frame
CPQ1-ARHGAP39	ch8	144409015 -	ch8	144537813 -	CPQ1	ENST00000531042	ch8	144409015 -	ARHGAP39	ENST00000278262	ch8	144537813 -	N-CDS-CDS	0	0	1	1	er1	Out-of-frame
CPQ1-MYF6	ch12	69239706 +	ch12	80707855 +	CPQ1	ENST00000435070	ch12	69239706 +	MYF6	ENST00000228641	ch12	80707855 +	Y-CDS-CDS	0	1	1	1	er1	Out-of-frame
CPQ1-ARHGAP39	ch12	69239706 +	ch12	80707855 +	CPQ1	ENST00000435070	ch12	69239706 +	ARHGAP39	ENST00000228641	ch12	80707855 +	N-CDS-CDS	0	1	1	1	er1	Out-of-frame
CPQ1-MYF6	ch12	69239706 +	ch12	80707855 +	CPQ1	ENST00000435070	ch12	69239706 +	MYF6	ENST00000228641	ch12	80707855 +	Y-CDS-CDS	0	1	1	1	er1	Out-of-frame
CPQ1-COL9A1	ch12	69239706 +	ch12	70217081 -	CPQ1	ENST00000551516	ch12	69239706 +	COL9A1	ENST00000320755	ch12	70217081 -	N-CDS-CDS	0	1	1	1	er1	Out-of-frame
CPQ1-TSPAN31	ch12	69239706 +	ch12	57746589 +	CPQ1	ENST00000266679	ch12	69239706 +	TSPAN31	ENST00000257910	ch12	57746589 +	Y-CDS-CDS	0	0	1	1	er1	In-frame
CPQ1-TMTC2	ch12	69239706 +	ch12	82857010 -	CPQ1	ENST00000266679	ch12	69239706 +	TMTC2	ENST00000321196	ch12	82857010 -	N-CDS-CDS	0	0	1	1	er1	Out-of-frame
CPQ1-MYF6	ch12	69239706 +	ch12	80707855 +	CPQ1	ENST00000266679	ch12	69239706 +	MYF6	ENST00000228641	ch12	80707855 +	Y-CDS-CDS	0	1	1	1	er1	Out-of-frame
CPQ1-COL9A1	ch12	69239706 +	ch12	70217081 -	CPQ1	ENST00000551516	ch12	69239706 +	COL9A1	ENST00000320755	ch12	70217081 -	N-CDS-CDS	0	1	1	1	er1	Out-of-frame
CPQ1-COL9A1	ch12	69239706 +	ch12	70217081 -	CPQ1	ENST00000551516	ch12	69239706 +	COL9A1	ENST00000320755	ch12	70217081 -	N-CDS-CDS	0	1	1	1	er1	Out-of-frame
CPQ1-COL9A1	ch12	69239706 +	ch12	70217081 -	CPQ1	ENST00000551516	ch12	69239706 +	COL9A1	ENST00000320755	ch12	70217081 -	N-CDS-CDS	0	1	1	1	er1	Out-of-frame
CPQ1-LAMA2	ch12	69239706 +	ch12	129177706 +	CPQ1	ENST00000266679	ch12	69239706 +	LAMA2	ENST00000421865	ch12	129177706 +	N-CDS-CDS	0	0	1	1	er1	Out-of-frame
CPQ1-PTPRB	ch12	69239706 +	ch12	70581302 -	CPQ1	ENST00000266679	ch12	69239706 +	PTPRB	ENST00000261266	ch12	70581302 -	N-CDS-CDS	0	0	1	1	er1	Out-of-frame
CPQ1-MYF6	ch12	69239706 +	ch12	80707855 +	CPQ1	ENST00000435070	ch12	69239706 +	MYF6	ENST00000228641	ch12	80707855 +	Y-CDS-CDS	0	1	1	1	er1	Out-of-frame
CPQ1-COL9A1	ch12	69239706 +	ch12	70217081 -	CPQ1	ENST00000551516	ch12	69239706 +	COL9A1	ENST00000320755	ch12	70217081 -	N-CDS-CDS	0	1	1	1	er1	Out-of-frame
CPQ1-COL9A1	ch12	69239706 +	ch12	70217081 -	CPQ1	ENST00000551516	ch12	69239706 +	COL9A1	ENST00000320755	ch12	70217081 -	N-CDS-CDS	0	1	1	1	er1	Out-of-frame
CPQ1-COL9A1	ch12	69239706 +	ch12	70217081 -	CPQ1	ENST00000551516	ch12	69239706 +	COL9A1	ENST00000320755	ch12	70217081 -	N-CDS-CDS	0	1	1	1	er1	Out-of-frame
CPQ1-COL9A1	ch12	69239706 +	ch12	70217081 -	CPQ1	ENST00000551516	ch12	69239706 +	COL9A1	ENST00000320755	ch12	70217081 -	N-CDS-CDS	0	1	1	1	er1	Out-of-frame
CPQ1-COL9A1	ch12	69239706 +	ch12	70217081 -	CPQ1	ENST00000551516	ch12	69239706 +	COL9A1	ENST00000320755	ch12	70217081 -	N-CDS-CDS	0	1	1	1	er1	Out-of-frame
CPQ1-COL9A1	ch12	69239706 +	ch12	70217081 -	CPQ1	ENST00000551516	ch12	69239706 +	COL9A1	ENST00000320755	ch12	70217081 -	N-CDS-CDS	0	1	1	1	er1	Out-of-frame
CPQ1-COL9A1	ch12	69239706 +	ch12	70217081 -	CPQ1	ENST00000551516	ch12	69239706 +	COL9A1	ENST00000320755	ch12	70217081 -	N-CDS-CDS	0	1	1	1	er1	Out-of-frame
CPQ1-COL9A1																			

C5MD1-C15orf41	chr8	4994332	chr15	36808324	C5MD1	ENST00000400186	chr8	4994332	C15orf41	ENST00000437989	chr15	36808324	N.CDS-CDS	0	1	1	1	1	Out-of-frame
C5MD1-C15orf41	chr8	4994332	chr15	36808324	C5MD1	ENST00000400186	chr8	4994332	C15orf41	ENST00000437989	chr15	36808324	N.CDS-CDS	0	1	1	1	1	Out-of-frame
C5MD1-C15orf41	chr8	4994332	chr15	36808324	C5MD1	ENST00000400186	chr8	4994332	C15orf41	ENST00000437989	chr15	36808324	N.CDS-CDS	0	1	1	1	1	Out-of-frame
C5MD2-FYB	chr1	33825697	chr5	39153604	C5MD2	ENST00000373381	chr1	33825697	FYB	ENST00000351578	chr5	39153604	Y.CDS-CDS	0	1	1	1	1	In-frame
C5MD2-TMEM22	chr1	33846884	chr1	27330720	C5MD2	ENST00000373381	chr1	33846884	TMEM22	ENST00000374076	chr1	27330720	N.CDS-CDS-X	0	1	1	1	1	Out-of-frame
C5MD2-DNAH1	chr1	34032594	chr1	225398520	C5MD2	ENST00000241312	chr1	34032594	DNAH1	ENST00000428003	chr1	225398520	N.CDS-CDS	0	0	1	1	1	Out-of-frame
C5MD3-RIMS2	chr8	112587066	chr8	103942773	C5MD3	ENST00000297405	chr8	112587066	RIMS2	ENST00000262231	chr8	103942773	Y.CDS-CDS	0	0	1	1	1	In-frame
C5MD3-ADCY8	chr8	113278592	chr8	130951998	C5MD3	ENST00000345508	chr8	113278592	ADCY8	ENST00000286355	chr8	130951998	N.CDS-CDS-8X	0	0	1	1	1	Out-of-frame
C5NK1A1-PDE5A	chr5	149520290	chr5	149863286	C5NK1A1	ENST00000261798	chr5	149520290	PDE5A	ENST00000252266	chr5	149863286	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5NK1A1-ARHGFB7	chr5	149550075	chr5	149550075	C5NK1A1	ENST00000261798	chr5	149550075	ARHGFB7	ENST00000333877	chr5	149550075	N.CDS-SUTR	0	0	1	1	1	CDS-SUTR
C5NK1A1-SGSM5A2	chr5	149550075	chr5	147881446	C5NK1A1	ENST00000261798	chr5	149550075	SGSM5A2	ENST00000296694	chr5	147881446	N.CDS-CDS	0	0	1	1	1	Out-of-frame
C5NK1D-SCDMA	chr17	82252434	chr17	39965683	C5NK1D	ENST00000293611	chr17	82252434	SCDMA	ENST00000301659	chr17	39965683	N.SUTR-SUTR	0	0	1	1	1	Out-of-frame
C5NK1D-SECTM1	chr17	822323011	chr17	822323011	C5NK1D	ENST00000314028	chr17	822323011	SECTM1	ENST00000269389	chr17	822323011	Y.CDS-CDS	0	0	1	1	1	In-frame
C5NK1D-SCPEP1	chr17	82273306	chr17	56995507	C5NK1D	ENST00000398519	chr17	82273306	SCPEP1	ENST00000262288	chr17	56995507	N.CDS-CDS	0	0	1	1	1	Out-of-frame
C5NK1D-ALDH3A2	chr17	82273306	chr17	19648935	C5NK1D	ENST00000314028	chr17	82273306	ALDH3A2	ENST00000176643	chr17	19648935	N.CDS-SUTR	0	0	1	1	1	CDS-SUTR
C5NK1D-SECTM1	chr17	82273306	chr17	82273306	C5NK1D	ENST00000314028	chr17	82273306	SECTM1	ENST00000269389	chr17	82273306	N.CDS-SUTR	0	0	1	1	1	CDS-SUTR
C5NK1D-ASRPSR1	chr17	82273306	chr17	82016941	C5NK1D	ENST00000314028	chr17	82273306	ASRPSR1	ENST00000306741	chr17	82016941	N.CDS-CDS	0	0	1	1	1	Out-of-frame
C5NK1D-SECTM1	chr17	82273306	chr17	822323011	C5NK1D	ENST00000314028	chr17	82273306	SECTM1	ENST00000269389	chr17	822323011	Y.CDS-CDS	0	0	1	1	1	In-frame
C5NK1D-SCPEP1	chr17	82273306	chr17	56995507	C5NK1D	ENST00000314028	chr17	82273306	SCPEP1	ENST00000262288	chr17	56995507	N.CDS-CDS	0	0	1	1	1	Out-of-frame
C5NK1E-PLAZG6	chr22	38293255	chr22	38116211	C5NK1E	ENST00000403904	chr22	38293255	PLAZG6	ENST00000332509	chr22	38116211	N.SUTR-CDS-3X	0	1	0	1	1	Out-of-frame
C5NK1E-DMC1	chr22	38292786	chr22	38562369	C5NK1E	ENST00000402006	chr22	38292786	DMC1	ENST00000428462	chr22	38562369	Y.CDS-CDS	0	1	1	1	1	In-frame
C5NK1E-DMC1	chr22	38292786	chr22	38562369	C5NK1E	ENST00000402006	chr22	38292786	DMC1	ENST00000428462	chr22	38562369	Y.CDS-CDS	0	1	1	1	1	In-frame
C5NK1E-FAM227A	chr22	38292786	chr22	38562369	C5NK1E	ENST00000402006	chr22	38292786	FAM227A	ENST00000216024	chr22	38562369	Y.CDS-CDS	0	1	1	1	1	In-frame
C5NK1E-PHFA5	chr22	38314082	chr22	38314082	C5NK1E	ENST00000359867	chr22	38314082	PHFA5	ENST00000216252	chr22	38314082	Y.CDS-CDS	0	1	0	1	1	In-frame
C5NK1E-FAM227A	chr22	38314082	chr22	38562369	C5NK1E	ENST00000402006	chr22	38314082	FAM227A	ENST00000355830	chr22	38562369	N.CDS-CDS	0	1	0	1	1	Out-of-frame
C5NK1G1-MESP1	chr15	64300319	chr15	64300319	C5NK1G1	ENST00000302052	chr15	64300319	MESP1	ENST00000300057	chr15	64300319	N.CDS-CDS-2X	0	1	1	1	1	Out-of-frame
C5NK1G1-INTS2	chr15	64300319	chr15	61869988	C5NK1G1	ENST00000302052	chr15	64300319	INTS2	ENST00000251334	chr15	61869988	N.CDS-CDS-2X	0	1	0	1	1	Out-of-frame
C5NK1G2-PDE5A	chr19	1969959	chr19	119607297	C5NK1G2	ENST00000256641	chr19	1969959	PDE5A	ENST00000264805	chr19	119607297	N.CDS-CDS	0	0	1	1	1	Out-of-frame
C5NK2B-CC15	chr6	31670070	chr6	31670070	C5NK2B	ENST00000375965	chr6	31670070	CC15	ENST00000280232	chr6	31670070	N.SUTR-SUTR-10X	0	1	1	1	1	SUTR-SUTR
C5NK2B-VARS2	chr6	317531284	chr6	317531284	C5NK2B	ENST00000375965	chr6	317531284	VARS2	ENST00000335193	chr6	317531284	N.CDS-1X	0	1	1	1	1	Out-of-frame
C5PGA-MYO1D	chr15	75712668	chr15	75712668	C5PGA	ENST00000308508	chr15	75712668	MYO1D	ENST00000318217	chr15	75712668	N.CDS-CDS	0	1	1	1	1	Out-of-frame
C5PP1-CPA6	chr8	67046496	chr8	67046496	C5PP1	ENST00000262210	chr8	67046496	CPA6	ENST00000297770	chr8	67046496	N.CDS-CDS	0	0	1	1	1	Out-of-frame
C5PP1-TERF1	chr8	67103135	chr8	73045961	C5PP1	ENST00000262210	chr8	67103135	TERF1	ENST00000276603	chr8	73045961	N.CDS-CDS	0	1	0	1	1	Out-of-frame
C5PP1-MAN1A2	chr8	67159137	chr8	67159137	C5PP1	ENST00000262210	chr8	67159137	MAN1A2	ENST00000356554	chr8	67159137	N.CDS-CDS-41X	0	1	1	1	1	Out-of-frame
C5PP1-CLVS1	chr8	67179926	chr8	6149455	C5PP1	ENST00000262210	chr8	67179926	CLVS1	ENST00000325897	chr8	6149455	N.CDS-CDS	0	0	1	1	1	Out-of-frame
C5PFI-PALLD	chr4	169497134	chr4	20183534	C5PFI	ENST00000340006	chr4	169497134	PALLD	ENST00000261509	chr4	20183534	N.SUTR-SUTR-2X	0	1	1	1	1	NA
C5T3-CC75	chr20	23633657	chr20	10249921	C5T3	ENST00000378922	chr20	23633657	CC75	ENST00000280232	chr20	10249921	N.SUTR-SUTR-10X	0	1	1	1	1	Out-of-frame
C5TA-CASR	chr3	122375848	chr3	122375848	C5TA	ENST00000264474	chr3	122375848	CASR	ENST00000498619	chr3	122375848	Y.CDS-CDS	0	0	1	1	1	In-frame
C5TB-PDE5A	chr21	42768188	chr21	42768188	C5TB	ENST00000291568	chr21	42768188	PDE5A	ENST00000291568	chr21	42768188	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF1-BLM	chr20	56392713	chr20	56392713	C5TF1	ENST00000211069	chr20	56392713	BLM	ENST00000355112	chr20	56392713	N.SUTR-CDS-2X	0	0	1	1	1	SUTR-CDS
C5TF3-HSP90AA1	chr11	33141667	chr11	33141667	C5TF3	ENST00000323959	chr11	33141667	HSP90AA1	ENST00000334701	chr11	33141667	N.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000348962	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000348962	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000323959	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000323959	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000323959	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000323959	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000323959	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000323959	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000323959	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000323959	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000323959	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000323959	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000323959	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000323959	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000323959	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000323959	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000323959	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000323959	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000323959	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0	1	1	Out-of-frame
C5TF3-CDC73	chr11	33161299	chr11	32683574	C5TF3	ENST00000323959	chr11	33161299	CDC73	ENST00000335185	chr11	32683574	Y.CDS-CDS	0	1	0</			

CUX1-YEATS2	chr7	101816093	chr3	183772305	CUX1	ENST00000362624	chr7	101816093	YEATS2	ENST00000305135	chr3	183772305	YCD5-CDS	0	1	1	1	In-frame
CUX1-AHCYL2	chr7	101816093	chr7	129379641	CUX1	ENST00000292538	chr7	101816093	AHCYL2	ENST00000325006	chr7	129379641	YCD5-CDS	0	1	1	1	In-frame
CUX1-AHCYL1	chr7	101816093	chr11	65584241	CUX1	ENST00000292535	chr7	101816093	EHPB1L1	ENST00000309295	chr11	65584241	YCD5-CDS	0	1	1	1	In-frame
CUX1-YEATS2	chr7	101816093	chr7	183772305	CUX1	ENST00000292535	chr7	101816093	YEATS2	ENST00000305135	chr7	183772305	YCD5-CDS	0	1	1	1	In-frame
CUX1-AHCYL2	chr7	101816093	chr7	129379641	CUX1	ENST00000547394	chr7	101816093	AHCYL2	ENST00000325006	chr7	129379641	YCD5-CDS	0	1	1	1	In-frame
CUX1-EHPB1L1	chr7	101816093	chr11	65584241	CUX1	ENST00000547394	chr7	101816093	EHPB1L1	ENST00000309295	chr11	65584241	YCD5-CDS	0	1	1	1	In-frame
CUX1-YEATS2	chr7	101816093	chr7	183772305	CUX1	ENST00000547394	chr7	101816093	YEATS2	ENST00000305135	chr7	183772305	YCD5-CDS	0	1	1	1	In-frame
CUX1-AHCYL2	chr7	101816093	chr7	129379641	CUX1	ENST00000437600	chr7	101816093	AHCYL2	ENST00000325006	chr7	129379641	YCD5-CDS	0	1	1	1	In-frame
CUX1-EHPB1L1	chr7	101816093	chr11	65584241	CUX1	ENST00000437600	chr7	101816093	EHPB1L1	ENST00000309295	chr11	65584241	YCD5-CDS	0	1	1	1	In-frame
CUX1-YEATS2	chr7	101816093	chr7	183772305	CUX1	ENST00000437600	chr7	101816093	YEATS2	ENST00000305135	chr7	183772305	YCD5-CDS	0	1	1	1	In-frame
CUX1-DGKB	chr7	102028145	chr7	14841450	CUX1	ENST00000359824	chr7	102028145	DGKB	ENST00000399322	chr7	14841450	N.CDS-SUTR:6X	0	1	0	0	Out-of-frame
CUX1-DGKB	chr7	102028145	chr7	14841450	CUX1	ENST00000546411	chr7	102028145	DGKB	ENST00000399322	chr7	14841450	N.CDS-SUTR:6X	0	1	0	0	Out-of-frame
CUX1-DGKB	chr7	102028145	chr7	14841450	CUX1	ENST00000292535	chr7	102028145	DGKB	ENST00000399322	chr7	14841450	N.CDS-SUTR:6X	0	1	0	0	Out-of-frame
CUX1-DGKB	chr7	102028145	chr7	14841450	CUX1	ENST00000292538	chr7	102028145	DGKB	ENST00000399322	chr7	14841450	N.CDS-SUTR:6X	0	1	0	0	Out-of-frame
CUX1-THSD7A	chr7	102070417	chr7	11636961	CUX1	ENST00000393824	chr7	102070417	THSD7A	ENST00000423059	chr7	11636961	YCD5-CDS	0	1	1	1	In-frame
CUX1-THSD7A	chr7	102070417	chr7	11636961	CUX1	ENST00000547394	chr7	102070417	THSD7A	ENST00000423059	chr7	11636961	YCD5-CDS	0	1	1	1	In-frame
CUX1-THSD7A	chr7	102070417	chr7	11636961	CUX1	ENST00000292535	chr7	102070417	THSD7A	ENST00000423059	chr7	11636961	YCD5-CDS	0	1	1	1	In-frame
CUX1-CDK14	chr7	102115273	chr7	90747881	CUX1	ENST00000292535	chr7	102115273	CDK14	ENST00000265741	chr7	90747881	N.CDS-CDS	0	1	0	2	Out-of-frame
CUX1-POP7	chr7	100706821	chr7	100706821	CUX1	ENST00000292535	chr7	100706821	POP7	ENST00000303151	chr7	100706821	N.CDS-SUTR:12X	0	0	1	1	Out-of-frame
CUX2-IFT81	chr12	110127360	chr12	110127360	CUX2	ENST00000261726	chr12	110127360	IFT81	ENST00000425951	chr12	110127360	YCD5-SUTR:1X	0	0	1	1	Out-of-frame
CUX2-CABP1	chr12	111263939	chr12	120659878	CUX2	ENST00000261726	chr12	111263939	CABP1	ENST00000288616	chr12	120659878	N.CDS-SUTR:4X	0	0	1	1	Out-of-frame
CWC25-FBXO7	chr17	38897376	chr17	38897376	CWC25	ENST00000611945	chr17	38897376	FBXO7	ENST00000378079	chr17	38897376	N.SUTR-CDS	0	1	0	0	Out-of-frame
CWC25-FBXO2	chr17	38897376	chr17	38897376	CWC25	ENST00000611945	chr17	38897376	FBXO2	ENST00000378079	chr17	38897376	N.SUTR-CDS	0	1	0	0	Out-of-frame
CWC25-LASP1	chr17	38918605	chr17	38918605	CWC25	ENST00000614790	chr17	38918605	LASP1	ENST00000318008	chr17	38918605	N.CDS-CDS	0	1	1	1	Out-of-frame
CWC25-B4GALNT2	chr17	38820901	chr17	49141247	CWC25	ENST00000614790	chr17	38820901	B4GALNT2	ENST00000300404	chr17	49141247	YCD5-CDS	0	0	2	1	In-frame
CWC25-MED24	chr17	38820901	chr17	40053635	CWC25	ENST00000614790	chr17	38820901	MED24	ENST00000356271	chr17	40053635	YCD5-SUTR	0	0	1	1	In-frame
CWC25-FAM134C	chr17	38820901	chr17	42592162	CWC25	ENST00000614790	chr17	38820901	FAM134C	ENST00000309428	chr17	42592162	YCD5-CDS	0	1	1	2	In-frame
CWC25-PRKAR1A	chr17	38825196	chr17	68515394	CWC25	ENST00000614790	chr17	38825196	PRKAR1A	ENST00000358598	chr17	68515394	YCD5-SUTR	0	0	1	1	In-frame
CWC25-C17orf98	chr17	38825196	chr17	38825196	CWC25	ENST00000614790	chr17	38825196	C17orf98	ENST00000416158	chr17	38825196	YCD5-CDS	0	0	1	1	In-frame
CWC25-SLC35B1	chr17	38825196	chr17	41758810	CWC25	ENST00000614790	chr17	38825196	SLC35B1	ENST00000417908	chr17	41758810	YCD5-CDS	0	1	1	1	In-frame
CWC25-SLC35B1	chr17	38825196	chr17	49706334	CWC25	ENST00000614790	chr17	38825196	SLC35B1	ENST00000420333	chr17	49706334	N.CDS-CDS	0	0	1	1	Out-of-frame
CWF19L1-HSPA12A	chr10	100267571	chr10	116707285	CWF19L1	ENST00000354105	chr10	100267571	HSPA12A	ENST00000369209	chr10	116707285	N.CDS-CDS	0	0	1	1	Out-of-frame
CWF19L1-SLN	chr11	107416209	chr11	107416209	CWF19L1	ENST00000282251	chr11	107416209	SLN	ENST00000305991	chr11	107416209	YCD5-SUTR	0	0	1	3	CDS-SUTR
CWH43-OCAD1	chr4	490580725	chr4	490580725	CWH43	ENST00000228432	chr4	490580725	OCAD1	ENST00000509122	chr4	490580725	N.CDS-CDS:3X	0	1	0	0	Out-of-frame
CXADR-APP	chr21	17513172	chr21	26053348	CXADR	ENST00000356275	chr21	17513172	APP	ENST00000346798	chr21	26053348	YCD5-CDS	0	1	1	1	In-frame
CXADR-APP	chr21	17513172	chr21	26053348	CXADR	ENST00000356275	chr21	17513172	APP	ENST00000346798	chr21	26053348	YCD5-CDS	0	1	1	1	In-frame
CXADR-APP	chr21	17513172	chr21	26053348	CXADR	ENST00000284878	chr21	17513172	APP	ENST00000346798	chr21	26053348	YCD5-CDS	0	1	1	1	In-frame
CXADR-FAM184B	chr21	17565611	chr21	17664659	CXADR	ENST00000401668	chr21	17565611	FAM184B	ENST00000265018	chr21	17664659	N.CDS-CDS:17X	0	1	0	0	Out-of-frame
CXADR-FAM184B	chr21	17565611	chr21	17664659	CXADR	ENST00000401668	chr21	17565611	FAM184B	ENST00000265018	chr21	17664659	N.CDS-CDS:9X	0	1	0	0	Out-of-frame
CXADR-FAM184B	chr21	17565611	chr21	17664659	CXADR	ENST00000284878	chr21	17565611	FAM184B	ENST00000265018	chr21	17664659	YCD5-CDS	0	1	0	0	Out-of-frame
CXADR-HERC1	chr21	17565611	chr15	63616682	CXADR	ENST00000284878	chr21	17565611	HERC1	ENST000004043617	chr15	63616682	N.CDS-CDS:13X	0	1	0	0	Out-of-frame
CXCL1-APP	chr4	73453765	chr4	73453765	CXCL1	ENST00000396761	chr4	73453765	APP	ENST00000395792	chr4	73453765	YCD5-CDS	0	1	0	0	Out-of-frame
CXCL1-APP	chr4	73453765	chr4	73453765	CXCL1	ENST00000396761	chr4	73453765	APP	ENST00000395792	chr4	73453765	YCD5-CDS	0	1	0	0	Out-of-frame
CXCL13-UTRN	chr4	144344101	chr4	144344101	CXCL13	ENST00000286758	chr4	144344101	UTRN	ENST00000421035	chr4	144344101	N.3UTR-SUTR	0	0	1	3	NA
CXCL14-SUP116H	chr5	135570886	chr4	21361332	CXCL14	ENST00000372225	chr5	135570886	SUP116H	ENST00000216297	chr4	21361332	Y.3UTR-ND:3X	0	0	1	1	Out-of-frame
CXCL16-TEKT1	chr17	4738408	chr17	6819358	CXCL16	ENST00000541121	chr17	4738408	TEKT1	ENST00000338694	chr17	6819358	YCD5-CDS	0	1	1	1	In-frame
CXCL17-EXOSC5	chr19	42432976	chr19	41391962	CXCL17	ENST00000601181	chr19	42432976	EXOSC5	ENST00000212133	chr19	41391962	YCD5-CDS	0	1	0	0	Out-of-frame
CXCR4-CFLAR	chr2	136118046	chr2	201129729	CXCR4	ENST00000421393	chr2	136118046	CFLAR	ENST00000309955	chr2	201129729	N.CDS-SUTR:1X	0	0	1	1	CDS-SUTR
CXCR4-APP	chr2	136118046	chr2	10585836	CXCR4	ENST00000421393	chr2	136118046	APP	ENST00000396339	chr2	10585836	N.CDS-CDS	0	1	0	0	Out-of-frame
CXorf38-ACA2	chrX	40647007	chrX	40647007	CXorf38	ENST00000327877	chrX	40647007	ACA2	ENST00000359932	chrX	40647007	N.CDS-ND:4X	0	1	0	0	Out-of-frame
CXorf38-ACA2	chrX	40647007	chrX	40647007	CXorf38	ENST00000327877	chrX	40647007	ACA2	ENST00000285993	chrX	40647007	N.CDS-ND:3X	0	1	0	0	Out-of-frame
CXorf38-ACA2	chrX	40647007	chrX	40647007	CXorf38	ENST00000327877	chrX	40647007	ACA2	ENST00000587994	chrX	40647007	N.CDS-ND:1X	0	1	0	0	Out-of-frame
CYB561-SQSTM1	chr17	63432307	chr5	179823858	CYB561	ENST00000392975	chr17	63432307	SQSTM1	ENST00000360718	chr5	179823858	N.3UTR-CDS	0	1	1	4	3UTR-CDS
CYB561-XBP1	chr17	63432307	chr17	28800597	CYB561	ENST00000392975	chr17	63432307	XBP1	ENST00000216037	chr17	28800597	N.3UTR-SUTR:4X	0	1	1	3	3UTR-CDS
CYB561-GNA13	chr17	63446245	chr17	65053728	CYB561	ENST00000360793	chr17	63446245	GNA13	ENST00000439174	chr17	65053728	N.3UTR-CDS	0	0	1	1	Out-of-frame
CYB561-USP32	chr17	63446245	chr17	63446245	CYB561	ENST00000360793	chr17	63446245	USP32	ENST00000439174	chr17	63446245	N.3UTR-CDS	0	0	1	1	Out-of-frame
CYB561D2-RBM6	chr3	50351560	chr3	50351560	CYB561D2	ENST00000232508	chr3	50351560	RBM6	ENST00000288221	chr3	50351560	N.3UTR-CDS	0	0	1	2	Out-of-frame
CYB5A-DCC	chr18	5322047	chr18	5322047	CYB5A	ENST00000340533	chr18	5322047	DCC	ENST00000304775	chr18	5322047	N.CDS-CDS	0	0	1	2	Out-of-frame
CYB5A-DCC	chr18	5322047	chr18	5322047	CYB5A	ENST00000340533	chr18	5322047	DCC	ENST00000304775	chr18	5322047	N.CDS-CDS	0	0	1	2	Out-of-frame
CYB5R4-RIPPLY2	chr6	83864328	chr6	83864328	CYB5R4	ENST00000369679	chr6	83864328	RIPPLY2	ENST00000369687	chr6	83864328	N.CDS-CDS	0	0	1	1	Out-of-frame
CYB5R4-CNTN6	chr6	83864328	chr6	83864328	CYB5R4	ENST00000369679	chr6	83864328	CNTN6	ENST00000350110	chr6	83864328	N.CDS-SUTR:4X	0	1	1	2	Out-of-frame
CYB5R4-FNDC1	chr6	83864328	chr6	83864328	CYB5R4	ENST00000369679	chr6	83864328	FNDC1	ENST00000292767	chr6	83864328	YCD5-CDS	0	1	1	1	In-frame
CYB5R4-FNDC1	chr6	83864328	chr6	83864328	CYB5R4	ENST00000369679	chr6	83864328	FNDC1	ENST00000292767	chr6	83864328	YCD5-CDS	0	1	1	1	In-frame
CYFIP1-ZNFX1	chr15	22894681	chr20	49246881	CYFIP1	ENST00000610365	chr15											

DCAF6-YEAT5	chr1	168045227 +	chr12	69390147 +	DCAF6	ENST00000312263	chr1	168045227 +	YEAT5	ENST00000247843	chr12	69390147 +	N.CDS-CDS:19X	0	0	1	1	Out-of-frame
DCAF8-ETV3	chr1	160237135 -	chr1	157136365 -	DCAF8	ENST00000328837	chr1	160237135 -	ETV3	ENST00000328786	chr1	157136365 -	Y.CDS-SUTR	0	0	1	1	CDS-SUTR
DCAF8-ETV3	chr1	160237135 -	chr1	157136365 -	DCAF8	ENST00000328837	chr1	160237135 -	ETV3	ENST00000328786	chr1	157136365 -	N.CDS-CDS:5X	0	0	1	0	Out-of-frame
DCAF8-NME7	chr1	160281285 -	chr1	160310080 -	DCAF8	ENST00000328837	chr1	160281285 -	NME7	ENST00000267811	chr1	160310080 -	N.SUTR-CDS	0	0	1	0	Out-of-frame
DCAF8-FRLA	chr1	160281285 -	chr1	161713085 +	DCAF8	ENST00000328837	chr1	160281285 -	FRLA	ENST00000236938	chr1	161713085 +	N.SUTR-CDS	0	0	1	1	SUTR-CDS
DCAKO-MAP3K14	chr17	45051553 -	chr17	45284949 -	DCAKO	ENST00000588295	chr17	45051553 -	MAP3K14	ENST00000344686	chr17	45284949 -	N.SUTR-CDS	0	0	1	1	SUTR-CDS
DCAKO-ADAMTS7	chr17	45051553 -	chr17	78791223 +	DCAKO	ENST00000588295	chr17	45051553 -	ADAMTS7	ENST00000388820	chr17	78791223 +	N.SUTR-CDS	0	0	1	1	SUTR-CDS
DCAKO-PLCD3	chr17	45060888 -	chr17	45121372 -	DCAKO	ENST00000310604	chr17	45060888 -	PLCD3	ENST00000538093	chr17	45121372 -	N.SUTR-SUTR	0	0	1	1	SUTR-CDS
DCAKO-SMAP1	chr17	45060888 -	chr17	70754980 +	DCAKO	ENST00000310604	chr17	45060888 -	SMAP1	ENST00000318999	chr17	70754980 +	N.SUTR-SUTR	0	0	1	1	SUTR-CDS
DCBLD1-CCT2	chr6	117530379 +	chr6	69592059 +	DCBLD1	ENST00000296955	chr6	117530379 +	CCT2	ENST00000295900	chr12	69592059 +	Y.CDS-CDS	0	1	1	1	In-frame
DCBLD1-NUS1	chr6	117530379 +	chr6	117693042 +	DCBLD1	ENST00000296955	chr6	117530379 +	NUS1	ENST00000368494	chr6	117693042 +	Y.CDS-CDS	0	1	0	0	In-frame
DCBLD2-KALRN	chr3	98849461 +	chr3	124474663 +	DCBLD2	ENST00000326840	chr3	98849461 +	KALRN	ENST00000240874	chr3	124474663 +	N.CDS-CDS:12X	0	0	1	1	Out-of-frame
DCBLD2-ST3GAL6	chr3	98881540 -	chr3	98768430 -	DCBLD2	ENST00000326840	chr3	98881540 -	ST3GAL6	ENST00000262561	chr3	98768430 -	N.CDS-SUTR:10X	0	0	1	1	CDS-SUTR
DCBLD2-ABI3BP	chr3	98901122 -	chr3	100780209 -	DCBLD2	ENST00000326840	chr3	98901122 -	ABI3BP	ENST00000284322	chr3	100780209 -	Y.CDS-CDS	0	0	1	1	In-frame
DCHS2-C4orf32	chr4	154489304 -	chr4	112186693 -	DCHS2	ENST00000339452	chr4	154489304 -	C4orf32	ENST00000305733	chr4	112186693 -	Y.CDS-CDS	0	0	1	1	In-frame
DCHS2-FGG	chr4	154489304 -	chr4	154812201 -	DCHS2	ENST00000339452	chr4	154489304 -	FGG	ENST00000336998	chr4	154812201 -	Y.CDS-CDS	0	1	1	1	In-frame
DCOK-GRS1	chr4	70398182 -	chr4	70383134 -	DCOK	ENST00000288649	chr4	70398182 -	GRS1	ENST00000254799	chr4	70383134 -	Y.CDS-CDS	0	1	1	1	In-frame
DCLK1-RCBTB1	chr13	35871224 -	chr13	49534262 -	DCLK1	ENST00000255448	chr13	35871224 -	RCBTB1	ENST00000378302	chr13	49534262 -	N.CDS-CDS:13X	0	1	0	0	In-frame
DCLK1-CLDN10	chr13	36111869 -	chr13	95560132 +	DCLK1	ENST00000255448	chr13	36111869 -	CLDN10	ENST00000299339	chr13	95560132 +	N.CDS-CDS:2X	0	0	1	1	Out-of-frame
DCLK2-UST	chr4	150079448 +	chr4	149073833 +	DCLK2	ENST00000296550	chr4	150079448 +	UST	ENST00000367463	chr4	149073833 +	Y.CDS-CDS	0	0	1	1	In-frame
DCLK2-LRBA	chr4	150202812 +	chr4	150102812 +	DCLK2	ENST00000296550	chr4	150202812 +	LRBA	ENST00000357115	chr4	150202812 +	Y.CDS-CDS	0	0	1	1	In-frame
DCLRE1B-DNAJB4	chr1	113905775 +	chr1	78016014 +	DCLRE1B	ENST00000369563	chr1	113905775 +	DNAJB4	ENST00000330763	chr1	78016014 +	Y.CDS-CDS	0	0	1	0	In-frame
DCLRE1C-NMT2	chr10	15128458 -	chr10	15128458 -	DCLRE1C	ENST00000378276	chr10	15128458 -	NMT2	ENST00000378150	chr10	15128458 -	Y.CDS-CDS	0	0	1	0	In-frame
DCLRE1C-NMT2	chr10	15128458 -	chr10	15128458 -	DCLRE1C	ENST00000378276	chr10	15128458 -	NMT2	ENST00000378150	chr10	15128458 -	Y.CDS-CDS	0	0	1	0	In-frame
DCP2-C6orf34	chr5	112976986 +	chr5	68815886 +	DCP2	ENST00000389063	chr5	112976986 +	C6orf34	ENST00000337103	chr5	68815886 +	N.CDS-CDS	0	0	1	1	Out-of-frame
DCP2-TBCA	chr5	112976986 +	chr5	77708347 +	DCP2	ENST00000389063	chr5	112976986 +	TBCA	ENST00000520361	chr5	77708347 +	Y.CDS-CDS	0	1	0	0	In-frame
DCP2-TBCA	chr5	112976986 +	chr5	77708347 +	DCP2	ENST00000389063	chr5	112976986 +	TBCA	ENST00000380377	chr5	77708347 +	Y.CDS-CDS	0	1	0	0	In-frame
DCP2-TBCA	chr5	112976986 +	chr5	77708347 +	DCP2	ENST00000389063	chr5	112976986 +	TBCA	ENST00000306388	chr5	77708347 +	Y.CDS-CDS	0	1	0	0	In-frame
DCP2-TBCA	chr5	112976986 +	chr5	77708347 +	DCP2	ENST00000389063	chr5	112976986 +	TBCA	ENST00000518338	chr5	77708347 +	Y.CDS-CDS	0	1	0	0	In-frame
DCP2-TBFB	chr5	112976986 +	chr5	1429377025 +	DCP2	ENST00000389063	chr5	112976986 +	TBFB	ENST00000373788	chr5	1429377025 +	Y.CDS-CDS	0	1	0	1	In-frame
DCPS-CCND1	chr11	126306744 +	chr11	69647904 +	DCPS	ENST00000263579	chr11	126306744 +	CCND1	ENST00000227507	chr11	69647904 +	Y.CDS-CDS	0	1	0	1	In-frame
DCPS-TIRAP	chr11	126306744 +	chr11	126290462 +	DCPS	ENST00000263579	chr11	126306744 +	TIRAP	ENST00000392678	chr11	126290462 +	N.CDS-SUTR:7X	0	0	1	1	CDS-SUTR
DCTD-ECE2	chr4	182914923 +	chr4	182914923 +	DCTD	ENST00000357067	chr4	182914923 +	ECE2	ENST00000357474	chr4	182914923 +	N.CDS-CDS	0	0	1	1	Out-of-frame
DCTN1-WDR54	chr2	74391794 -	chr2	74422870 -	DCTN1	ENST00000409240	chr2	74391794 -	WDR54	ENST00000348227	chr2	74422870 -	N.SUTR-CDS	0	0	1	1	SUTR-CDS
DCTN2-EEA1	chr12	57530311 -	chr12	92835427 -	DCTN2	ENST00000434715	chr12	57530311 -	EEA1	ENST00000322349	chr12	92835427 -	N.SUTR-ND:20X	0	0	1	1	NA
DCTN2-IEENND3	chr12	57530311 -	chr12	141150834 -	DCTN2	ENST00000434715	chr12	57530311 -	IEENND3	ENST00000265585	chr12	141150834 -	Y.CDS-CDS	0	0	1	1	In-frame
DCTN2-DDX23	chr12	57546028 -	chr12	48836266 -	DCTN2	ENST00000434715	chr12	57546028 -	DDX23	ENST00000308025	chr12	48836266 -	Y.CDS-CDS	0	1	1	1	In-frame
DCTN2-DDX23	chr12	57546028 -	chr12	48836266 -	DCTN2	ENST00000434715	chr12	57546028 -	DDX23	ENST00000308025	chr12	48836266 -	Y.CDS-CDS	0	1	1	1	In-frame
DCTN2-SYT1	chr12	57547028 -	chr12	79353502 +	DCTN2	ENST00000548249	chr12	57547028 -	SYT1	ENST00000261205	chr12	79353502 +	Y.CDS-CDS	0	1	0	0	In-frame
DCTN2-SYT1	chr12	57547028 -	chr12	79353502 +	DCTN2	ENST00000548249	chr12	57547028 -	SYT1	ENST00000261205	chr12	79353502 +	Y.CDS-CDS	0	1	0	0	In-frame
DCTN2-SRGA1	chr12	57547028 -	chr12	63983947 +	DCTN2	ENST00000434715	chr12	57547028 -	SRGA1	ENST00000355086	chr12	63983947 +	Y.CDS-CDS	0	0	1	1	Out-of-frame
DCTN2-SYT1	chr12	57547028 -	chr12	79353502 +	DCTN2	ENST00000434715	chr12	57547028 -	SYT1	ENST00000261205	chr12	79353502 +	Y.CDS-CDS	0	1	0	0	In-frame
DCTN3-LINGO2	chr9	28670280 -	chr9	28670280 -	DCTN3	ENST00000259632	chr9	28670280 -	LINGO2	ENST00000379992	chr9	28670280 -	N.CDS-SUTR:6X	0	0	1	0	In-frame
DCUN1D1-CDC50	chr3	182961226 -	chr3	191357088 +	DCUN1D1	ENST00000292782	chr3	182961226 -	CDC50	ENST00000392455	chr3	191357088 +	Y.CDS-CDS	0	1	1	1	In-frame
DCUN1D2-CORT	chr13	113474124 -	chr13	10451377 +	DCUN1D2	ENST00000332992	chr13	113474124 -	CORT	ENST00000377049	chr13	10451377 +	N.CDS-CDS	0	1	0	0	In-frame
DCUN1D2-ATP11A	chr13	113480575 +	chr13	113480575 +	DCUN1D2	ENST00000375403	chr13	113480575 +	ATP11A	ENST00000357630	chr13	113480575 +	N.CDS-CDS	0	0	1	1	Out-of-frame
DCUN1D3-TMEM156	chr16	209002024 -	chr16	21161085 +	DCUN1D3	ENST00000324434	chr16	209002024 -	TMEM156	ENST00000233047	chr16	21161085 +	N.SUTR-SUTR	0	0	1	1	SUTR-SUTR
DCUN1D4-SCIB2	chr4	51835287 +	chr4	52033640 +	DCUN1D4	ENST00000451278	chr4	51835287 +	SCIB2	ENST00000352585	chr4	52033640 +	N.CDS-CDS	0	1	1	1	In-frame
DCUN1D4-GPM6B	chr4	51863709 +	chrX	13785808 -	DCUN1D4	ENST00000334635	chr4	51863709 +	GPM6B	ENST00000454189	chrX	13785808 -	Y.CDS-CDS	0	1	0	0	In-frame
DCUN1D4-USP46	chr4	51866638 +	chr4	52610617 +	DCUN1D4	ENST00000334635	chr4	51866638 +	USP46	ENST00000441222	chr4	52610617 +	Y.CDS-CDS	0	1	1	1	In-frame
DCUN1D4-ICZF1	chr4	51891851 +	chr7	50376533 +	DCUN1D4	ENST00000334635	chr4	51891851 +	ICZF1	ENST00000331340	chr7	50376533 +	N.CDS-CDS:10X	0	0	1	1	Out-of-frame
DCUN1D4-PTPRF	chr4	51911174 +	chr20	42472562 -	DCUN1D4	ENST00000334635	chr4	51911174 +	PTPRF	ENST00000356100	chr20	42472562 -	N.CDS-CDS:10X	0	0	1	1	Out-of-frame
DCX-PASD1	chrX	111330904 -	chrX	115169713 +	DCX	ENST00000365220	chrX	111330904 -	PASD1	ENST00000370357	chrX	115169713 +	N.CDS-CDS:8X	0	1	0	0	In-frame
DCX-SIRT7	chr17	82036721 -	chr17	81915681 -	DCX	ENST00000365220	chr17	82036721 -	SIRT7	ENST00000328666	chr17	81915681 -	Y.CDS-CDS	0	1	0	0	Out-of-frame
DDA1-MYO9B	chr19	17309657 +	chr19	17200639 +	DDA1	ENST00000359866	chr19	17309657 +	MYO9B	ENST00000392724	chr19	17200639 +	N.CDS-CDS	0	0	1	1	CDS-SUTR
DDA1-TMEM38A	chr19	17314389 +	chr19	16679984 +	DDA1	ENST00000359866	chr19	17314389 +	TMEM38A	ENST00000187762	chr19	16679984 +	Y.CDS-CDS	0	1	0	0	In-frame
DDA1-MYO9B	chr19	17315995 +	chr19	17159395 +	DDA1	ENST00000359866	chr19	17315995 +	MYO9B	ENST00000392724	chr19	17159395 +	Y.CDS-CDS	0	1	1	1	CDS-SUTR
DDAH1-TRABD2B	chr1	85464743 -	chr1	85464743 -	DDAH1	ENST00000284031	chr1	85464743 -	TRABD2B	ENST00000606738	chr1	85464743 -	Y.CDS-CDS	0	1	0	0	In-frame
DDAH1-ZNHIT6	chr1	8564743 -	chr1	85654098 -	DDAH1	ENST00000284031	chr1	8564743 -	ZNHIT6	ENST00000307674	chr1	85654098 -	N.CDS-CDS	0	0	1	1	Out-of-frame
DDAH2-SLCA44A	chr6	31730051 -	chr6	31730051 -	DDAH2	ENST00000357587	chr6	31730051 -	SLCA44A	ENST00000229729	chr6	31730051 -	N.SUTR-CDS	0	0	1	1	SUTR-CDS
DDA1-SLCA44A	chr6	31730051 -	chr6	31730051 -	DDA1	ENST00000357587	chr6	31730051 -	SLCA44A	ENST00000229729	chr6	31730051 -	N.SUTR-CDS	0	0	1	1	SUTR-CDS
DDB1-SDHA	chr11	61313499 -	chr5	235144 +	DDB1	ENST00000301764	chr11	61313499 -	SDHA	ENST00000264932	chr5	235144 +	Y.CDS-CDS	0	1	1	1	In-frame
DDB1-CPSF7	chr11	61313499 -	chr11	61416519 +														

DLG2-XRCC6BP1	chr11	84163461	chr12	57945628	DLG2	ENST00000376100	chr11	84163461	XRCC6BP1	ENST00000300145	chr12	57945628	N.CDS-CDS.13X	0	1	1	1	Out-of-frame
DLG3-UNC5D	chrX	70479264	chr8	35748527	UNC5D	ENST00000194900	chrX	70479264	UNC5D	ENST00000287272	chr12	35748527	Y.CDS-CDS	0	1	2	1	In-frame
DLG4-UNC5D	chrX	70479264	chr8	35748527	UNC5D	ENST00000194900	chrX	70479264	UNC5D	ENST00000287272	chr12	35748527	Y.CDS-CDS	0	1	2	1	In-frame
DLG4-BBS2	chr17	7202903	chr16	56514680	BBS2	ENST00000245177	chr17	7202903	BBS2	ENST00000245177	chr16	56514680	N.CDS-CDS.11X	0	1	1	2	Out-of-frame
DLG4-GA57	chr17	7217118	chr17	9981884	GAS7	ENST00000302955	chr17	7217118	GAS7	ENST00000323816	chr17	9981884	N.CDS-CDS	0	0	1	1	Out-of-frame
DLG4-KRT8	chr17	7217118	chr12	52905027	KRT8	ENST00000293308	chr17	7217118	KRT8	ENST00000293308	chr12	52905027	N.CDS-SUTR	0	0	1	1	CDS-SUTR
DLG5-RET	chr10	7782882	chr10	43116584	RET	ENST00000340058	chr10	7782882	RET	ENST00000340058	chr10	43116584	Y.CDS-CDS	0	0	1	1	In-frame
DLG5-POLR3A	chr10	7792617	chr10	7792617	POLR3A	ENST00000323791	chr10	7792617	POLR3A	ENST00000323791	chr10	7792617	N.CDS-CDS	0	0	1	1	Out-of-frame
DLGAP1-ENOSF1	chr18	3534194	chr18	675402	ENOSF1	ENST00000515196	chr18	3534194	ENOSF1	ENST00000525101	chr18	675402	N.CDS-CDS.31X	0	0	1	1	Out-of-frame
DLGAP1-XRCC6BP1	chr18	3729135	chr12	57956887	XRCC6BP1	ENST00000300145	chr18	3729135	XRCC6BP1	ENST00000300145	chr12	57956887	N.CDS-CDS.6X	0	1	1	1	Out-of-frame
DLGAP1-METTL4	chr18	3814059	chr18	2567654	METTL4	ENST00000315677	chr18	3814059	METTL4	ENST00000319888	chr18	2567654	N.CDS-SUTR.13X	0	0	1	1	CDS-SUTR
DLGAP1-RAB31	chr18	3814059	chr18	9792154	RAB31	ENST00000315677	chr18	3814059	RAB31	ENST00000578921	chr18	9792154	Y.CDS-CDS	0	1	0	0	0
DLGAP4-TUBD1	chr20	36462599	chr17	59863847	TUBD1	ENST00000325752	chr20	36462599	TUBD1	ENST00000325752	chr17	59863847	Y.CDS-CDS.1X	0	1	1	3	In-frame
DLGAP4-TP53TG5	chr20	36462599	chr20	45377613	TP53TG5	ENST00000327276	chr20	36462599	TP53TG5	ENST00000327276	chr20	45377613	N.CDS-CDS	0	0	1	1	Out-of-frame
DLGAP4-RGMA	chr20	36462599	chr15	93052507	RGMA	ENST00000329082	chr20	36462599	RGMA	ENST00000329082	chr15	93052507	Y.CDS-CDS	0	0	1	1	In-frame
DLGAP4-TMEM189	chr20	36462599	chr20	50130947	TMEM189	ENST00000340491	chr20	36462599	TMEM189	ENST00000340491	chr20	50130947	Y.CDS-ND2X	0	1	0	0	0
DLGAP4-TMEM189	chr20	36462599	chr20	50130947	TMEM189	ENST00000340491	chr20	36462599	TMEM189	ENST00000340491	chr20	50130947	Y.CDS-CDS	0	1	0	0	0
DLGAP4-TMEM189	chr20	36462599	chr20	50130947	TMEM189	ENST00000340491	chr20	36462599	TMEM189	ENST00000340491	chr20	50130947	Y.CDS-CDS	0	1	0	0	0
DLGAP4-ZNF668	chr20	36496768	chr16	31062002	ZNF668	ENST00000349491	chr20	36496768	ZNF668	ENST00000349491	chr16	31062002	N.CDS-CDS	0	1	0	0	0
DLGAP4-ZNF668	chr20	36496768	chr16	31062002	ZNF668	ENST00000349491	chr20	36496768	ZNF668	ENST00000349491	chr16	31062002	N.CDS-CDS.10X	0	1	0	0	0
DLGAP4-BPI	chr20	36500611	chr20	38289027	BPI	ENST00000339266	chr20	36500611	BPI	ENST00000339266	chr20	38289027	N.CDS-CDS	0	0	1	1	Out-of-frame
DLK1-THSD4	chr14	100735127	chr15	71780542	THSD4	ENST00000261862	chr14	100735127	THSD4	ENST00000261862	chr15	71780542	N.3UTR-CDS.5X	0	1	1	1	Out-of-frame
DLK1-CO15	chr14	100735127	chr5	10249921	CO15	ENST00000280228	chr14	100735127	CO15	ENST00000280228	chr5	10249921	N.3UTR-SUTR.10X	0	1	1	1	Out-of-frame
DLK1-STA7E	chr14	100735127	chr12	57102290	STAT6	ENST00000555375	chr14	100735127	STAT6	ENST00000555375	chr12	57102290	N.3UTR-SUTR.1X	0	0	2	1	NA
DLST-AHSA1	chr14	74849349	chr14	74849349	AHSA1	ENST00000216479	chr14	74849349	AHSA1	ENST00000216479	chr14	74849349	Y.CDS-CDS	0	1	0	0	0
DLST-YLPM1	chr14	74849349	chr14	74849349	YLPM1	ENST00000325680	chr14	74849349	YLPM1	ENST00000325680	chr14	74849349	N.3UTR-CDS	0	0	1	2	In-frame
DMBT1-ARMS2	chr10	122621380	chr10	122456907	ARMS2	ENST00000330163	chr10	122621380	ARMS2	ENST00000330163	chr10	122456907	N.CDS-CDS.18X	0	1	1	1	Out-of-frame
DMC1-DNAL4	chr22	38761009	chr22	38761009	DNAL4	ENST00000428462	chr22	38761009	DNAL4	ENST00000428462	chr22	38761009	Y.CDS-CDS	0	1	1	1	In-frame
DMD-LIX1L	chrX	31260955	chr1	145947782	LIX1L	ENST00000361471	chrX	31260955	LIX1L	ENST00000361471	chr1	145947782	N.CDS-CDS.1X	0	1	1	1	In-frame
DMD-LIX1L	chrX	31260955	chr1	145947782	LIX1L	ENST00000361471	chrX	31260955	LIX1L	ENST00000361471	chr1	145947782	N.CDS-CDS.1X	0	1	1	1	In-frame
DMD-LIX1L	chrX	31260955	chr1	145947782	LIX1L	ENST00000361471	chrX	31260955	LIX1L	ENST00000361471	chr1	145947782	N.CDS-CDS.1X	0	1	1	1	In-frame
DMD-TSPAN7	chrX	32216916	chrX	38666121	TSPAN7	ENST00000357033	chrX	32216916	TSPAN7	ENST00000357033	chrX	38666121	N.CDS-CDS.1X	0	1	1	1	In-frame
DMD-TMEM117	chrX	32518008	chr12	44211290	TMEM117	ENST00000266534	chrX	32518008	TMEM117	ENST00000266534	chr12	44211290	Y.CDS-CDS	0	1	1	2	In-frame
DMGDH-MMNAT2	chr5	79052733	chr1	183261303	MMNAT2	ENST00000258189	chr5	79052733	MMNAT2	ENST00000258189	chr1	183261303	Y.CDS-CDS	0	1	1	1	In-frame
DMKN-DMB1	chr19	40686995	chr19	40686995	DMB1	ENST00000348882	chr19	40686995	DMB1	ENST00000348882	chr19	40686995	Y.CDS-CDS	0	1	0	0	0
DMKN-NUMBL	chr19	35510184	chr19	40686995	NUMBL	ENST00000252891	chr19	35510184	NUMBL	ENST00000252891	chr19	40686995	Y.CDS-CDS	0	1	0	0	0
DMKN-NUMBL	chr19	35510184	chr19	40686995	NUMBL	ENST00000392206	chr19	35510184	NUMBL	ENST00000392206	chr19	40686995	Y.CDS-CDS	0	1	0	0	0
DMKN-NUMBL	chr19	35510184	chr19	40686995	NUMBL	ENST00000419602	chr19	35510184	NUMBL	ENST00000419602	chr19	40686995	Y.CDS-CDS	0	1	0	0	0
DMKN-NUMBL	chr19	35510184	chr19	40686995	NUMBL	ENST00000602781	chr19	35510184	NUMBL	ENST00000602781	chr19	40686995	Y.CDS-CDS	0	1	0	0	0
DMKN-NUMBL	chr19	35510184	chr19	40686995	NUMBL	ENST00000480502	chr19	35510184	NUMBL	ENST00000480502	chr19	40686995	Y.CDS-CDS	0	1	0	0	0
DMKN-NUMBL	chr19	35510184	chr19	40686995	NUMBL	ENST00000480701	chr19	35510184	NUMBL	ENST00000480701	chr19	40686995	Y.CDS-CDS	0	1	0	0	0
DMKN-NUMBL	chr19	35510184	chr19	40686995	NUMBL	ENST00000337932	chr19	35510184	NUMBL	ENST00000337932	chr19	40686995	Y.CDS-CDS	0	1	0	0	0
DMKN-NUMBL	chr19	35510184	chr19	40686995	NUMBL	ENST00000380121	chr19	35510184	NUMBL	ENST00000380121	chr19	40686995	Y.CDS-CDS	0	1	0	0	0
DMKN-NUMBL	chr19	35510184	chr19	40686995	NUMBL	ENST00000467637	chr19	35510184	NUMBL	ENST00000467637	chr19	40686995	Y.CDS-CDS	0	1	0	0	0
DMKP-RCN3	chr19	49534193	chr19	49534193	RCN3	ENST00000291270	chr19	49534193	RCN3	ENST00000291270	chr19	49534193	N.CDS-CDS.4X	0	0	1	1	Out-of-frame
DMTF1-GRM3	chr7	87165050	chr7	87165050	GRM3	ENST00000331242	chr7	87165050	GRM3	ENST00000331242	chr7	87165050	N.CDS-CDS	0	0	1	1	Out-of-frame
DMTF1-SEMA3D	chr7	87171089	chr7	87171089	SEMA3D	ENST00000284136	chr7	87171089	SEMA3D	ENST00000284136	chr7	87171089	Y.CDS-CDS	0	1	2	1	In-frame
DMTF1-KDM4C	chr19	45799095	chr7	71280506	KDM4C	ENST00000312422	chr19	45799095	KDM4C	ENST00000312422	chr7	71280506	Y.CDS-CDS	0	1	1	1	In-frame
DMXL1-ARGHAP15	chr5	119071656	chr5	119071656	ARGHAP15	ENST00000205999	chr5	119071656	ARGHAP15	ENST00000205999	chr5	119071656	Y.CDS-CDS	0	1	1	1	In-frame
DMXL1-NANS	chr5	119071656	chr9	98080816	NANS	ENST00000210444	chr5	119071656	NANS	ENST00000210444	chr9	98080816	Y.CDS-CDS	0	1	1	1	In-frame
DMXL1-NANS	chr5	119071656	chr9	98080816	NANS	ENST00000210444	chr5	119071656	NANS	ENST00000210444	chr9	98080816	Y.CDS-CDS	0	1	1	1	In-frame
DMXL2-PTPRR	chr15	51622459	chr12	70764778	PTPRR	ENST00000283228	chr15	51622459	PTPRR	ENST00000283228	chr12	70764778	Y.CDS-CDS	0	1	0	0	0
DMXL2-PTPRR	chr15	51622459	chr12	70764778	PTPRR	ENST00000283228	chr15	51622459	PTPRR	ENST00000283228	chr12	70764778	Y.CDS-CDS	0	1	0	0	0
DMXL2-PTPRR	chr15	51622459	chr12	70764778	PTPRR	ENST00000283228	chr15	51622459	PTPRR	ENST00000283228	chr12	70764778	Y.CDS-CDS	0	1	0	0	0
DNAH1-ALAS1	chr3	52311283	chr3	52311283	ALAS1	ENST00000302871	chr3	52311283	ALAS1	ENST00000302871	chr3	52311283	N.3UTR-CDS	0	0	1	1	SUTR-CDS
DNAH1-IRXDC17	chr3	52311283	chr3	52311283	IRXDC17	ENST00000318730	chr3	52311283	IRXDC17	ENST00000318730	chr3	52311283	Y.CDS-CDS	0	1	0	0	0
DNAH1-CACNA1D	chr3	52384031	chr3	52384031	CACNA1D	ENST00000312819	chr3	52384031	CACNA1D	ENST00000312819	chr3	52384031	Y.CDS-CDS	0	1	1	1	In-frame
DNAH10-LINTA	chr12	12383869	chr12	80845939	LINTA	ENST00000400939	chr12	12383869	LINTA	ENST00000400939	chr12	80845939	Y.CDS-CDS	0	1	1	1	In-frame
DNAH10-DDX42	chr12	123931734	chr12	63807838	DDX42	ENST00000359353	chr12	123931734	DDX42	ENST00000359353	chr12	63807838	N.CDS-CDS.239X	0	1	0	0	0
DNAH11-IGKJ4	chr7	21738821	chr7	88860921	IGKJ4	ENST00000390239	chr7	21738821	IGKJ4	ENST00000390239	chr7	88860921	N.CDS-CDS	0	1	0	0	0
DNAH14-ARF1	chr1	224929835	chr1	224929835	ARF1	ENST00000272102	chr1	224929835	ARF1	ENST00000272102	chr1	224929835	N.3UTR-SUTR	0	0	1	1	CDS-SUTR
DNAH1-ZCWPW2	chr2	19606897	chr3	28478814	ZCWPW2	ENST00000383768	chr2	19606897	ZCWPW2	ENST00000383768	chr3	28478814	Y.CDS-CDS	0	1	1	1	In-frame
DNAH1-TRIP14	chr3	38517250	chr3	38517250	TRIP14	ENST00000325680	chr3	38517250	TRIP14	ENST00000325680	chr3	38517250	N.CDS-SUTR	0	0	1	1	In-frame
DNAJA1-GALNT18	chr9	33030667	chr9	33030667	GALNT18	ENST00000330899	chr9	33030667	GALNT18	ENST00								

DOCK3-CSNK1A1	chr3	50778758 +	chr5	149525171 -	DOCK3	ENST00000266037	chr3	50778758 +	CSNK1A1	ENST00000261798	chr5	149525171 -	N.CDS-CDS.2X	0	0	1	1er1	Out-of-frame	
DOCK3-SLC9A5	chr3	50841715 +	chr16	67270738 +	DOCK3	ENST00000266037	chr3	50841715 +	SLC9A5	ENST00000299798	chr16	67270738 +	N.CDS-CDS.2X	0	0	1	1er2	Out-of-frame	
DOCK4-IMMP2L	chr7	112206102 -	chr19	110963565 -	DOCK4	ENST00000428084	chr7	112206102 -	IMMP2L	ENST00000447215	chr19	110963565 -	N.CDS-CDS	0	0	1	1er1	Out-of-frame	
DOCK4-NCAM	chr7	112206102 -	chr7	108312731 -	DOCK4	ENST00000428084	chr7	108312731 -	NCAM	ENST00000351718	chr7	108312731 -	Y.CDS-SUTR.4X	0	0	1	1er2	CDS-SUTR	
DOCK4-BCAP29	chr7	112206102 -	chr7	107583882 +	DOCK4	ENST00000428084	chr7	107583882 +	BCAP29	ENST00000052529	chr7	107583882 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame	
DOCK4-MMP2L	chr7	112206102 -	chr7	111487341 -	DOCK4	ENST00000428084	chr7	112206102 -	IMMP2L	ENST00000437687	chr7	111487341 -	N.CDS-CDS.2X	0	1	1	1er4	Out-of-frame	
DOCK4-MMP2L	chr7	112206102 -	chr7	111487341 -	DOCK4	ENST00000428084	chr7	112206102 -	IMMP2L	ENST00000331762	chr7	111487341 -	N.CDS-CDS	0	1	1	1er4	Out-of-frame	
DOCK4-MMP2L	chr7	112206102 -	chr7	111487341 -	DOCK4	ENST00000428084	chr7	112206102 -	IMMP2L	ENST00000447215	chr7	111487341 -	N.CDS-CDS	0	1	1	1er4	Out-of-frame	
DOCK4-DUSL4	chr7	112206102 -	chr7	107576366 +	DOCK4	ENST00000428084	chr7	112206102 -	DUSL4	ENST00000265720	chr7	107576366 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame	
DOCK4-MMP2L	chr7	112206102 -	chr7	110963565 -	DOCK4	ENST00000428084	chr7	112206102 -	IMMP2L	ENST00000331762	chr7	110963565 -	N.CDS-CDS	0	0	1	1er1	Out-of-frame	
DOCK4-MMP2L	chr7	112206102 -	chr7	110963565 -	DOCK4	ENST00000428084	chr7	112206102 -	IMMP2L	ENST00000331762	chr7	110963565 -	N.CDS-CDS	0	0	1	1er2	Out-of-frame	
DOCK4-TPH2	chr7	112206102 -	chr12	71972519 +	DOCK4	ENST00000428084	chr7	112206102 -	TPH2	ENST00000338550	chr12	71972519 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame	
DOCK6-CCDC130	chr19	11228940 -	chr19	13751608 +	DOCK6	ENST00000294618	chr19	11228940 -	CCDC130	ENST00000221554	chr19	13751608 +	Y.CDS-SUTR.1X	0	0	1	1er1	CDS-SUTR	
DOCK6-TMEM205	chr19	11242045 -	chr19	11345628 -	DOCK6	ENST00000294618	chr19	11242045 -	TMEM205	ENST00000354882	chr19	11345628 -	N.CDS-SUTR.25X	0	0	1	1er4	CDS-SUTR	
DOCK6-NFIX	chr19	11262397 -	chr19	13073047 +	DOCK6	ENST00000294618	chr19	11262397 -	NFIX	ENST00000358552	chr19	13073047 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame	
DOCK7-PPF1R12B	chr1	62492704 -	chr1	62492704 -	DOCK7	ENST00000251157	chr1	62492704 -	PPF1R12B	ENST00000294419	chr1	62492704 -	N.CDS-SUTR.92X	0	0	1	1er2	Out-of-frame	
DOCK7-ADAM32	chr1	62882827 -	chr1	39223940 -	DOCK7	ENST00000251157	chr1	62882827 -	ADAM32	ENST00000392907	chr1	39223940 -	Y.CDS-CDS	0	0	1	1er1	In-frame	
DOCK7-NMT2	chr1	62882827 -	chr10	15141557 -	DOCK7	ENST00000251157	chr1	62882827 -	NMT2	ENST00000378150	chr10	15141557 -	N.CDS-CDS	0	0	1	1er1	In-frame	
DOCK8-JAK2	chr9	340321 +	chr9	5050686 +	DOCK8	ENST00000382341	chr9	340321 +	JAK2	ENST00000381652	chr9	5050686 +	N.SUTR-CDS.32X	0	0	1	1er1	Out-of-frame	
DOCK8-OSBP	chr9	390566 +	chr11	59601838 -	DOCK8	ENST00000382341	chr9	390566 +	OSBP	ENST00000263847	chr11	59601838 -	Y.CDS-CDS	0	1	1	1er1	In-frame	
DOCK8-OSBP	chr9	390566 +	chr11	59601838 -	DOCK8	ENST00000382341	chr9	390566 +	OSBP	ENST00000263847	chr11	59601838 -	Y.CDS-CDS	0	1	1	1er1	In-frame	
DOCK8-OSBP	chr9	390566 +	chr11	59601838 -	DOCK8	ENST00000382341	chr9	390566 +	OSBP	ENST00000263847	chr11	59601838 -	Y.CDS-CDS	0	1	1	1er1	In-frame	
DOCK8-SPACA7	chr13	98880547 -	chr13	112432444 +	DOCK8	ENST00000444849	chr13	98880547 -	SPACA7	ENST00000283550	chr13	112432444 +	N.CDS-CDS.69X	0	0	1	0	-	
DOCK8-SH2A	chr13	98955435 -	chr13	112432444 +	DOCK8	ENST00000444849	chr13	98955435 -	SH2A	ENST00000307340	chr13	112432444 +	N.CDS-CDS	0	0	1	0	-	
DOCK4-PLP	chr16	57479442 -	chr16	57479442 -	DOCK4	ENST00000569396	chr16	57479442 -	PLP	ENST00000219207	chr16	57479442 -	Y.CDS-CDS	0	1	0	1	1er1	Out-of-frame
DOCK5-SLC2A1	chr20	54476012 +	chr1	42943321 -	DOCK5	ENST00000262593	chr20	54476012 +	SLC2A1	ENST00000442623	chr1	42943321 -	Y.CDS-CDS	0	1	0	1	1er1	Out-of-frame
DOCK5-CLEC17A	chr20	54643578 +	chr19	14606993 +	DOCK5	ENST00000262593	chr20	54643578 +	CLEC17A	ENST00000339847	chr19	14606993 +	Y.CDS-CDS	0	0	1	1er2	Out-of-frame	
DOLPP1-TBC1D13	chr9	129081207 +	chr9	129081207 +	DOLPP1	ENST00000327812	chr9	129081207 +	TBC1D13	ENST00000238665	chr9	129081207 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame	
DOLPP1-SPTAN1	chr9	129086798 +	chr9	129086798 +	DOLPP1	ENST00000327812	chr9	129086798 +	SPTAN1	ENST00000358161	chr9	129086798 +	Y.CDS-CDS	0	1	1	1er1	In-frame	
DOLPP1-SPTAN1	chr9	129086798 +	chr9	129086798 +	DOLPP1	ENST00000327812	chr9	129086798 +	SPTAN1	ENST00000358161	chr9	129086798 +	N.SUTR-CDS	0	1	1	1er1	In-frame	
DOLPP1-SPTAN1	chr9	129086798 +	chr9	129086798 +	DOLPP1	ENST00000327812	chr9	129086798 +	SPTAN1	ENST00000358161	chr9	129086798 +	N.SUTR-CDS	0	1	1	1er1	In-frame	
DOPEY2-TRFM2	chr21	36164871 +	chr21	44405142 +	DOPEY2	ENST00000270190	chr21	36164871 +	TRFM2	ENST00000300481	chr21	44405142 +	Y.CDS-CDS	0	1	1	1er1	In-frame	
DOPEY2-TRFM2	chr21	36164871 +	chr21	44405142 +	DOPEY2	ENST00000270190	chr21	36164871 +	TRFM2	ENST00000300481	chr21	44405142 +	Y.CDS-CDS	0	1	1	1er1	In-frame	
DOPEY2-TRFM2	chr21	36164871 +	chr21	44405142 +	DOPEY2	ENST00000270190	chr21	36164871 +	TRFM2	ENST00000300481	chr21	44405142 +	Y.CDS-CDS	0	1	1	1er1	In-frame	
DOPEY2-PIBF1	chr21	36192521 +	chr21	36192521 +	DOPEY2	ENST00000270190	chr21	36192521 +	PIBF1	ENST00000326291	chr21	36192521 +	N.CDS-CDS.2XB	0	0	1	1er3	Out-of-frame	
DOPEY2-CBR3	chr21	36192521 +	chr21	36192521 +	DOPEY2	ENST00000270190	chr21	36192521 +	CBR3	ENST00000290354	chr21	36192521 +	N.CDS-CDS.5X	0	0	1	1er1	Out-of-frame	
DOPEY2-ELF2	chr21	36200501 +	chr21	36200501 +	DOPEY2	ENST00000270190	chr21	36200501 +	ELF2	ENST00000358635	chr21	36200501 +	N.CDS-CDS.6X	0	0	1	1er1	Out-of-frame	
DOPEY2-CBR3	chr21	36200501 +	chr21	36200501 +	DOPEY2	ENST00000270190	chr21	36200501 +	CBR3	ENST00000290354	chr21	36200501 +	Y.CDS-SUTR	0	0	1	1er1	In-frame	
DOPEY2-SHBGR	chr21	36239955 +	chr21	39475135 +	DOPEY2	ENST00000399151	chr21	36239955 +	SHBGR	ENST00000333634	chr21	39475135 +	N.CDS-CDS.47X	0	0	1	1er4	Out-of-frame	
DOT1L-PLEKHF1	chr19	29673824 +	chr19	29673824 +	DOT1L	ENST00000398665	chr19	29673824 +	PLEKHF1	ENST00000436066	chr19	29673824 +	N.CDS-SUTR	0	0	1	1er1	CDS-SUTR	
DOT1L-OAZ1	chr19	2164265 +	chr19	2271782 +	DOT1L	ENST00000398665	chr19	2164265 +	OAZ1	ENST00000581150	chr19	2271782 +	N.CDS-SUTR.1X	0	1	0	1	1er1	Out-of-frame
DOT1L-PSG11	chr19	2164265 +	chr19	43019048 -	DOT1L	ENST00000398665	chr19	2164265 +	PSG11	ENST00000595312	chr19	43019048 -	N.CDS-ND	0	1	1	1er1	Out-of-frame	
DOT1L-PSG11	chr19	2164265 +	chr19	43019048 -	DOT1L	ENST00000398665	chr19	2164265 +	PSG11	ENST00000595312	chr19	43019048 -	N.CDS-CDS	0	1	1	1er1	Out-of-frame	
DOT1L-SSBP3	chr19	2164265 +	chr19	54228826 -	DOT1L	ENST00000398665	chr19	2164265 +	SSBP3	ENST00000328956	chr19	54228826 -	N.CDS-SUTR.1X	0	0	1	1er3	In-frame	
DOT1L-TECR	chr19	2194577 +	chr19	14562525 +	DOT1L	ENST00000398665	chr19	2194577 +	TECR	ENST00000215567	chr19	14562525 +	Y.CDS-CDS	0	1	0	1	1er1	Out-of-frame
DOT1L-ONECUT3	chr19	2207680 +	chr19	1775153 +	DOT1L	ENST00000398665	chr19	2207680 +	ONECUT3	ENST00000382349	chr19	1775153 +	N.CDS-CDS.9X	0	0	1	1er1	Out-of-frame	
DOT1L-BTBD2	chr19	2223486 +	chr19	1997463 -	DOT1L	ENST00000398665	chr19	2223486 +	BTBD2	ENST00000255608	chr19	1997463 -	Y.CDS-CDS	0	1	1	1er1	In-frame	
DPEP1-TCF25	chr16	89630514 +	chr16	89630514 +	DPEP1	ENST00000261615	chr16	89630514 +	TCF25	ENST00000263346	chr16	89630514 +	Y.CDS-CDS	0	2	0	1	1er1	Out-of-frame
DPF2-CD42EP2	chr11	65320544 +	chr11	65320544 +	DPF2	ENST00000252268	chr11	65320544 +	CD42EP2	ENST00000279249	chr11	65320544 +	Y.CDS-SUTR.1X	0	0	1	1er1	CDS-SUTR	
DPF2-PPF1R10	chr11	65320544 +	chr11	65320544 +	DPF2	ENST00000252268	chr11	65320544 +	PPF1R10	ENST00000376511	chr11	65320544 +	N.CDS-SUTR	0	0	1	1er1	CDS-SUTR	
DPF2-POL2	chr11	65320544 +	chr11	65320544 +	DPF2	ENST00000252268	chr11	65320544 +	POL2	ENST00000265455	chr11	65320544 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
DPF3-TDP1	chr14	72753264 -	chr14	89971175 +	DPF3	ENST00000366353	chr14	72753264 -	TDP1	ENST00000335725	chr14	89971175 +	N.CDS-CDS	0	0	1	1er2	Out-of-frame	
DPH1-RPA1	chr17	1842803 +	chr17	2030230 +	DPH1	ENST00000263083	chr17	1842803 +	RPA1	ENST00000254719	chr17	2030230 +	N.CDS-CDS	0	0	1	1er3	Out-of-frame	
DPM1-GRID1	chr20	50955186 -	chr20	50955186 -	DPM1	ENST00000371582	chr20	50955186 -	GRID1	ENST00000327946	chr20	50955186 -	Y.CDS-CDS	0	1	0	1	1er1	Out-of-frame
DPM1-CYP4F12	chr20	50955186 -	chr20	50955186 -	DPM1	ENST00000371582	chr20	50955186 -	CYP4F12	ENST00000324632	chr20	50955186 -	Y.CDS-CDS	0	1	1	1er1	In-frame	
DPM1-EZR	chr20	50955186 -	chr20	50955186 -	DPM1	ENST00000371582	chr20	50955186 -	EZR	ENST00000337147	chr20	50955186 -	Y.CDS-CDS	0	0	1	1er1	In-frame	
DPF3-FAM163A	chr11	66493313 -	chr11	66493313 -	DPF3	ENST00000530165	chr11	66493313 -	FAM163A	ENST00000252925	chr11	66493313 -	N.SUTR-CDS.3X	0	0	1	1er2	In-frame	
DPF3-SPATA6	chr11	66493313 -	chr11	66493313 -	DPF3	ENST00000530165	chr11	66493313 -	SPATA6	ENST00000371843	chr11	66493313 -	N.SUTR-CDS	0	1	1	1er2	In-frame	
DPF3-PACS1	chr11	66493313 -	chr11	66493313 -	DPF3	ENST00000530165	chr11	66493313 -	PACS1	ENST00000320580	chr11	66493313 -	Y.CDS-CDS	0	1	1	1er1	In-frame	
DPF3-KDM2A	chr11	66493313 -	chr11	66493313 -	DPF3	ENST00000530165	chr11	66493313 -	KDM2A	ENST00000398645	chr11	66493313 -	Y.CDS-CDS	0	1	0	1	1er1	In-frame
DPF3-FKBP2	chr11	66493313 -	chr11	66493313 -	DPF3	ENST00000530165	chr11	66493313 -	FKBP2	ENST00000309366	chr11	66493313 -	Y.CDS-CDS	0	1	1	1er1	In-frame	
DPF3																			

EHPB1-MDH1	chr2	6304696 +	chr2	62943850 +	EHPB1	ENST00000263991	chr2	62943850 +	MDH1	ENST00000233114	chr2	6304696 +	Y.CDS-CDS	0	1	0	-
EHPB1-COMMD1	chr2	62955680 +	chr2	62007071 +	EHPB1	ENST00000263991	chr2	62955680 +	COMMD1	ENST00000311832	chr2	62007071 +	Y.CDS-CDS	0	0	1	In-frame
EHPB1-COMMD1	chr2	62955680 +	chr2	62135881 +	EHPB1	ENST00000263991	chr2	62955680 +	COMMD1	ENST00000311832	chr2	62135881 +	N.CDS-CDS	0	0	1	Out-of-frame
EHPB1L1-POLA2	chr11	65576406 +	chr11	65294153 +	EHPB1L1	ENST00000302926	chr11	65576406 +	POLA2	ENST00000265465	chr11	65294153 +	Y.CDS-CDS	0	0	1	-
EHPB1L1-MTCH2	chr11	65579436 +	chr11	67635571 +	EHPB1L1	ENST00000302926	chr11	65579436 +	MTCH2	ENST00000302503	chr11	67635571 +	Y.CDS-CDS	0	0	1	-
EHD1-ADR8K2	chr11	64859924 +	chr22	25661576 +	EHD1	ENST00000320631	chr11	64859924 +	ADR8K2	ENST00000324198	chr22	25661576 +	Y.CDS-CDS	0	1	1	In-frame
EHD1-BATF2	chr11	64874421 +	chr11	64898812 +	EHD1	ENST00000320631	chr11	64874421 +	BATF2	ENST00000301887	chr11	64898812 +	N.CDS-CDS-1X	0	1	1	Out-of-frame
EHD1-BATF2	chr11	64874421 +	chr11	64994549 +	EHD1	ENST00000320631	chr11	64874421 +	BATF2	ENST00000301887	chr11	64994549 +	N.CDS-CDS-1X	0	1	1	Out-of-frame
EHD1-ATG2A	chr11	64878061 +	chr11	64895209 +	EHD1	ENST00000320631	chr11	64878061 +	ATG2A	ENST00000377264	chr11	64895209 +	N.CDS-CDS	0	0	1	Out-of-frame
EHD4-FSP1	chr15	41921020 +	chr15	39619245 +	EHD4	ENST00000220325	chr15	41921020 +	FSP1	ENST00000352221	chr15	39619245 +	Y.CDS-CDS	0	1	1	In-frame
EHD4-GPR176	chr15	41927259 +	chr15	39807258 +	EHD4	ENST00000220325	chr15	41927259 +	GPR176	ENST00000545580	chr15	39807258 +	N.CDS-CDS	0	0	1	Out-of-frame
EHF-CAT	chr11	34646684 +	chr11	34644105 +	EHF	ENST00000256781	chr11	34646684 +	CAT	ENST000002041052	chr11	34644105 +	Y.CDS-CDS	0	1	0	-
EHHADH-ABCC5	chr3	183978651 +	chr3	183978651 +	EHHADH	ENST00000231887	chr3	183978651 +	ABCC5	ENST00000265586	chr3	183978651 +	Y.CDS-CDS	0	1	1	In-frame
EHMT1-ARRDC1	chr9	137612896 +	chr9	137612896 +	EHMT1	ENST00000371934	chr9	137612896 +	ARRDC1	ENST00000371421	chr9	137612896 +	N.CDS-CDS-1X	0	0	1	Out-of-frame
EHMT1-GF11B	chr9	137619049 +	chr9	132966659 +	EHMT1	ENST00000371934	chr9	137619049 +	GF11B	ENST00000339643	chr9	132966659 +	N.CDS-5UTR	0	1	1	CDS-5UTR
EHMT1-SPATA7	chr9	137619049 +	chr1	217883258 +	EHMT1	ENST00000371934	chr9	137619049 +	SPATA7	ENST00000366633	chr1	217883258 +	Y.CDS-CDS	0	1	0	-
EHMT1-SPATA7	chr9	137619049 +	chr1	217883258 +	EHMT1	ENST00000371934	chr9	137619049 +	SPATA7	ENST00000366633	chr1	217883258 +	Y.CDS-CDS	0	1	0	-
EHMT1-ATP13A1	chr9	137711782 +	chr19	19595987 +	EHMT1	ENST00000371934	chr9	137711782 +	ATP13A1	ENST00000291503	chr19	19595987 +	Y.3UTR-CDS-1X	0	1	0	-
EHMT1-GRIN1	chr9	137712013 +	chr9	137142013 +	EHMT1	ENST00000371934	chr9	137712013 +	GRIN1	ENST00000350902	chr9	137142013 +	Y.3UTR-CDS-1X	0	1	1	In-frame
EHMT1-PPP1R37	chr9	137728529 +	chr19	45138514 +	EHMT1	ENST00000371934	chr9	137728529 +	PPP1R37	ENST00000221462	chr19	45138514 +	N.3UTR-CDS	0	1	0	-
EHMT1-GRIN1	chr9	137813530 +	chr9	137813530 +	EHMT1	ENST00000460843	chr9	137813530 +	GRIN1	ENST00000350902	chr9	137142013 +	Y.CDS-CDS	0	1	1	In-frame
EHMT2-ATFB8	chr6	31881014 +	chr6	32121348 +	EHMT2	ENST00000375528	chr6	31881014 +	ATFB8	ENST00000375201	chr6	32121348 +	N.CDS-CDS-26X	0	0	1	Out-of-frame
EHD4-FE2	chr11	12572589 +	chr11	125489822 +	EHD4	ENST00000289933	chr11	12572589 +	FE2	ENST00000278191	chr11	125489822 +	Y.CDS-SUTR-2X	0	0	1	1
EIF1-MED28	chr17	41689941 +	chr4	17619901 +	EIF1	ENST00000462527	chr17	41689941 +	MED28	ENST00000237380	chr4	17619901 +	Y.CDS-CDS	0	1	1	In-frame
EIF1-MED28	chr17	41689941 +	chr4	17619901 +	EIF1	ENST00000462527	chr17	41689941 +	MED28	ENST00000237380	chr4	17619901 +	Y.CDS-CDS	0	1	1	In-frame
EIF1AD-CATSPER1	chr11	60993350 +	chr11	60171774 +	EIF1AD	ENST00000312234	chr11	60993350 +	CATSPER1	ENST00000312106	chr11	60171774 +	Y.CDS-CDS	0	0	1	In-frame
EIF2AK1-GGCC1	chr7	6024709 +	chr7	6084897 +	EIF2AK1	ENST00000199389	chr7	6024709 +	GGCC1	ENST00000223145	chr7	6084897 +	N.CDS-CDS-19X	0	0	1	Out-of-frame
EIF2AK1-MAP2K5	chr7	6037424 +	chr15	67806646 +	EIF2AK1	ENST00000199389	chr7	6037424 +	MAP2K5	ENST00000178640	chr15	67806646 +	Y.CDS-CDS	0	1	1	In-frame
EIF2AK1-PHF14	chr7	6054546 +	chr7	11051612 +	EIF2AK1	ENST00000199389	chr7	6054546 +	PHF14	ENST00000403050	chr7	11051612 +	N.CDS-CDS	0	1	1	In-frame
EIF2AK1-STRN	chr2	37114731 +	chr2	36925208 +	EIF2AK1	ENST00000405334	chr2	37114731 +	STRN	ENST00000269188	chr2	36925208 +	N.CDS-CDS-2X	0	1	2	Out-of-frame
EIF2AK2-CEBPZ	chr2	37135484 +	chr2	37203008 +	EIF2AK2	ENST00000233057	chr2	37135484 +	CEBPZ	ENST00000234170	chr2	37203008 +	N.CDS-CDS-14X	0	0	1	1
EIF2AK2-RMDN2	chr2	37135484 +	chr2	37989541 +	EIF2AK2	ENST00000405334	chr2	37135484 +	RMDN2	ENST00000234195	chr2	37989541 +	Y.CDS-CDS	0	1	0	-
EIF2AK3-ANAS	chr2	8862967 +	chr2	15424468 +	EIF2AK3	ENST00000303236	chr2	8862967 +	NBAS	ENST00000281513	chr2	15424468 +	Y.CDS-CDS	0	1	1	In-frame
EIF2AK4-AVEN	chr15	40027885 +	chr15	33867855 +	EIF2AK4	ENST00000263791	chr15	40027885 +	AVEN	ENST00000308730	chr15	33867855 +	N.CDS-CDS-41X	0	0	1	3
EIF2AK4-PKM	chr15	40093730 +	chr15	40093730 +	EIF2AK4	ENST00000263791	chr15	40093730 +	PKM	ENST00000380919	chr15	40093730 +	N.CDS-ND-87X	0	0	1	-
EIF2AK4-PKM	chr15	40093730 +	chr15	40093730 +	EIF2AK4	ENST00000263791	chr15	40093730 +	PKM	ENST00000319822	chr15	40093730 +	Y.CDS-CDS	0	1	0	-
EIF2AK4-BUB1B	chr15	40212499 +	chr15	40212499 +	EIF2AK4	ENST00000263791	chr15	40212499 +	BUB1B	ENST00000287598	chr15	40212499 +	Y.CDS-CDS	0	1	0	-
EIF2AK4-FEM1B	chr15	40228607 +	chr15	68289607 +	EIF2AK4	ENST00000263791	chr15	40228607 +	FEM1B	ENST00000306917	chr15	68289607 +	N.CDS-CDS-64X	0	1	0	-
EIF2B1-ACSS3	chr12	123632345 +	chr12	81233349 +	EIF2B1	ENST00000539951	chr12	123632345 +	ACSS3	ENST00000261206	chr12	81233349 +	N.CDS-CDS	0	1	1	Out-of-frame
EIF2B1-ACSS3	chr12	123632345 +	chr12	81233349 +	EIF2B1	ENST00000424014	chr12	123632345 +	ACSS3	ENST00000261206	chr12	81233349 +	N.CDS-CDS	0	1	1	Out-of-frame
EIF2B2-YLPM1	chr14	75006714 +	chr14	75006714 +	EIF2B2	ENST00000261206	chr14	75006714 +	YLPM1	ENST00000325860	chr14	75006714 +	Y.CDS-CDS	0	1	1	In-frame
EIF2S1-GRPH	chr14	67110140 +	chr14	67110140 +	EIF2S1	ENST00000256383	chr14	67110140 +	GRPH	ENST00000315256	chr14	67110140 +	N.3UTR-CDS-5X	0	1	1	1
EIF2S1-GRPH	chr14	67347547 +	chr14	6824474 +	EIF2S1	ENST00000256383	chr14	67347547 +	GRPH	ENST00000315256	chr14	6824474 +	Y.CDS-CDS	0	1	0	-
EIF2S2-ADRA1D	chr20	34090517 +	chr20	4222130 +	EIF2S2	ENST00000374980	chr20	34090517 +	ADRA1D	ENST00000379453	chr20	4222130 +	Y.CDS-CDS	0	1	1	In-frame
EIF2S2-DEFB123	chr20	34112096 +	chr20	34150029 +	EIF2S2	ENST00000374980	chr20	34112096 +	DEFB123	ENST00000376309	chr20	34150029 +	N.CDS-CDS	0	0	1	1
EIF3A-TBC1D1	chr10	119049801 +	chr10	119049801 +	EIF3A	ENST00000369144	chr10	119049801 +	TBC1D1	ENST00000261439	chr10	119049801 +	N.CDS-CDS-70X	0	0	1	1
EIF3B-C3orf3	chr7	2372795 +	chr3	15676769 +	EIF3B	ENST00000360876	chr7	2372795 +	C3orf3	ENST00000340171	chr3	15676769 +	Y.CDS-CDS	0	1	0	-
EIF3B-C3orf3	chr7	2372795 +	chr3	15676769 +	EIF3B	ENST00000360876	chr7	2372795 +	C3orf3	ENST00000340171	chr3	15676769 +	Y.CDS-CDS	0	1	0	-
EIF3C-IOCE	chr22	36510855 +	chr22	2801447 +	EIF3C	ENST00000216190	chr22	36510855 +	IOCE	ENST00000325979	chr22	2801447 +	Y.3UTR-CDS-1X	0	1	1	3
EIF3D-PLEKH2	chr22	36510855 +	chr22	131118891 +	EIF3D	ENST00000216190	chr22	36510855 +	PLEKH2	ENST00000409279	chr22	131118891 +	Y.3UTR-SUTR-16X	0	1	1	3
EIF3E-PHF20L1	chr8	108228267 +	chr8	13279410 +	EIF3E	ENST00000220849	chr8	108228267 +	PHF20L1	ENST00000337920	chr8	13279410 +	Y.CDS-CDS	0	1	0	-
EIF3H-RAD21	chr8	116726016 +	chr8	116858458 +	EIF3H	ENST00000276862	chr8	116726016 +	RAD21	ENST00000297338	chr8	116858458 +	N.CDS-CDS	0	1	1	Out-of-frame
EIF3K-PPP2R2A	chr19	38626102 +	chr19	38626102 +	EIF3K	ENST00000248342	chr19	38626102 +	PPP2R2A	ENST00000315985	chr19	38626102 +	N.CDS-CDS-4X	0	0	1	1
EIF3K-PGK1	chr19	38635064 +	chrX	78123231 +	EIF3K	ENST00000248342	chr19	38635064 +	PGK1	ENST00000373316	chrX	78123231 +	N.CDS-CDS	0	1	0	-
EIF3L-ACCC2	chr22	29832562 +	chr22	29832562 +	EIF3L	ENST00000381683	chr22	29832562 +	ACCC2	ENST00000357622	chr22	29832562 +	Y.CDS-SUTR	0	1	0	-
EIF3L-AK7	chr22	37878171 +	chr14	96456347 +	EIF3L	ENST00000381683	chr22	37878171 +	AK7	ENST00000267584	chr14	96456347 +	Y.CDS-CDS	0	1	1	In-frame
EIF3L-TRIOBP	chr22	37878171 +	chr22	37751772 +	EIF3L	ENST00000381683	chr22	37878171 +	TRIOBP	ENST00000403663	chr22	37751772 +	Y.CDS-CDS	0	1	0	-
EIF3L-TRIOBP	chr22	37878171 +	chr22	37710427 +	EIF3L	ENST00000381683	chr22	37878171 +	TRIOBP	ENST00000403663	chr22	37710427 +	Y.CDS-CDS	0	1	0	-
EIF3L-CECR1	chr22	37878171 +	chr22	17191810 +	EIF3L	ENST00000381683	chr22	37878171 +	CECR1	ENST00000262607	chr22	17191810 +	Y.CDS-CDS	0	1	0	-
EIF3M-CSTF3	chr11	32583929 +	chr11	32583929 +	EIF3M	ENST00000531120	chr11	32583929 +	CSTF3	ENST00000323959	chr11	32583929 +	Y.CDS-CDS	0	1	0	-
EIF3M-CSTF3	chr11	32583929 +	chr11	32583929 +	EIF3M	ENST00000531120	chr11	32583929 +	CSTF3	ENST00000323959	chr11	32583929 +	Y.CDS-CDS	0	1	0	-
EIF3M-UEVLD	chr11	32596047 +	chr11	18570377 +	EIF3M	ENST00000531120	chr11	32596047 +	UEVLD	ENST00000300038	chr11	18570377 +	N.CDS-CDS	0	1	0	-
EIF4A1-PHOSPHO1	chr17	7572528 +	chr17	49225004 +	EIF4A1	ENST00000293831	chr17	7572528 +	PHOSPHO	ENST00000413580	chr17	49225004 +	Y.CDS-CDS	0	1	1	In-frame
EIF4A1-PHOSPHO1	chr17	7572528 +	chr17	49225004 +	EIF4A1	ENST00000293831	chr17	7572528 +	PHOSPHO	ENST00000413580	chr17	49225004 +	N.CDS-SUTR-5X	0	1	1	CDS-SUTR
EIF4A1-HSPA2	chr17	7573384 +	chr17	64542504 +	EIF4A1	ENST00000293831	chr17										

EML4-CASK	chr2	42169636 +	chrX	41561644 -	EML4	ENST00000401738	chr2	42169636 +	CASK	ENST00000378154	chrX	41561644 -	YCCDS-CDS	0	1	1	1	In-frame
EML4-CASK	chr2	42169636 +	chrX	41561644 -	EML4	ENST00000401738	chr2	42169636 +	CASK	ENST00000378154	chrX	41561644 -	YCCDS-CDS	0	1	1	1	In-frame
EML4-CASK	chr2	42169636 +	chrX	41561644 -	EML4	ENST00000318522	chr2	42169636 +	CASK	ENST00000318522	chrX	41561644 -	YCCDS-CDS	0	1	1	1	In-frame
EML4-COX7A2L	chr2	42169636 +	chrX	41561644 -	EML4	ENST00000318522	chr2	42169636 +	COX7A2L	ENST00000234301	chr2	42533343 -	N.CDS-CDS	0	0	1	1	Out-of-frame
EML4-CASK	chr2	42169636 +	chrX	41561644 -	EML4	ENST00000318522	chr2	42169636 +	CASK	ENST00000378154	chrX	41561644 -	YCCDS-CDS	0	1	1	1	In-frame
EML4-CASK	chr2	42169636 +	chrX	41561644 -	EML4	ENST00000318522	chr2	42169636 +	CASK	ENST00000421587	chrX	41561644 -	YCCDS-CDS	0	1	1	1	In-frame
EML4-CASK	chr2	42169636 +	chrX	41561644 -	EML4	ENST00000318522	chr2	42169636 +	CASK	ENST00000378154	chrX	41561644 -	YCCDS-CDS	0	1	1	1	In-frame
EML4-NTRK3	chr2	42264731 +	chr15	88033045 -	EML4	ENST00000318522	chr2	42264731 +	NTRK3	ENST00000352524	chr15	88033045 -	YCCDS-CDS	0	1	1	1	In-frame
EML4-NTRK3	chr2	42264731 +	chr15	88033045 -	EML4	ENST00000318522	chr2	42264731 +	NTRK3	ENST00000317501	chr15	88033045 -	YCCDS-CDS	0	1	1	1	In-frame
EML4-NTRK3	chr2	42264731 +	chr15	88033045 -	EML4	ENST00000402711	chr2	42264731 +	NTRK3	ENST00000352524	chr15	88033045 -	YCCDS-CDS	0	1	1	1	In-frame
EML4-NTRK3	chr2	42264731 +	chr15	88033045 -	EML4	ENST00000402711	chr2	42264731 +	NTRK3	ENST00000317501	chr15	88033045 -	YCCDS-CDS	0	1	1	1	In-frame
EML4-EPHA3	chr2	42301392 +	chr3	89449225 +	EML4	ENST00000318522	chr2	42301392 +	EPHA3	ENST00000335996	chr3	89449225 +	YCCDS-CDS	0	1	0	0	-
EML4-COX7A2L	chr2	42304551 +	chr2	42333869 +	EML4	ENST00000318522	chr2	42304551 +	COX7A2L	ENST00000468711	chr2	42333869 +	N.CDS-CDS-19X	0	0	1	1	NA
EML4-VP55A	chr2	42304551 +	chr2	42333869 +	EML4	ENST00000318522	chr2	42304551 +	VP55A	ENST00000272322	chr2	42333869 +	YCCDS-CDS	0	0	1	1	In-frame
EML4-PRKDC	chr2	42326252 +	chr2	42053239 +	EML4	ENST00000318522	chr2	42326252 +	PRKDC	ENST00000294964	chr2	42053239 +	YCCDS-CDS-37X	0	0	1	1	In-frame
EML4-SPTBN1	chr2	54725258 +	chr2	54665915 +	EML4	ENST00000335954	chr2	54725258 +	SPTBN1	ENST00000356805	chr2	54665915 +	YCCDS-CDS	0	0	1	1	In-frame
EMP2-TERF2	chr16	10543266 +	chr16	69385486 +	EMP2	ENST00000327211	chr16	10543266 +	TERF2	ENST00000254942	chr16	69385486 +	YCCDS-CDS	0	0	0	0	-
ENAH-PTPN14	chr1	22512167 -	chr1	214378102 -	ENAH	ENST00000368843	chr1	22512167 -	PTPN14	ENST00000369656	chr1	214378102 -	YCCDS-CDS	0	1	0	0	-
ENAH-LIN9	chr1	226250919 -	chr1	226250919 -	ENAH	ENST00000284563	chr1	226250919 -	LIN9	ENST00000328205	chr1	226250919 -	N.CDS-CDS	0	1	1	1	Out-of-frame
ENAH-AEBP2	chr1	226250919 -	chr12	19462510 +	ENAH	ENST00000284563	chr1	226250919 -	AEBP2	ENST00000266508	chr12	19462510 +	YCCDS-CDS	0	0	1	1	In-frame
ENAH-SCCPDH	chr1	226250919 -	chr1	246758226 +	ENAH	ENST00000284563	chr1	226250919 -	SCCPDH	ENST00000366510	chr1	246758226 +	N.CDS-CDS	0	1	0	0	-
ENAH-SCCPDH	chr1	226250919 -	chr1	246758226 +	ENAH	ENST00000284563	chr1	226250919 -	SCCPDH	ENST00000366510	chr1	246758226 +	N.CDS-CDS	0	1	0	0	-
ENAH-SCCPDH	chr1	226250919 -	chr1	246758226 +	ENAH	ENST00000284563	chr1	226250919 -	SCCPDH	ENST00000366510	chr1	246758226 +	N.CDS-CDS	0	1	0	0	-
ENAH-LIN9	chr1	226250919 -	chr1	226250919 -	ENAH	ENST00000366843	chr1	226250919 -	LIN9	ENST00000328205	chr1	226250919 -	N.CDS-CDS	0	1	1	1	Out-of-frame
ENAH-SCCPDH	chr1	226250919 -	chr1	246758226 +	ENAH	ENST00000366843	chr1	226250919 -	SCCPDH	ENST00000366510	chr1	246758226 +	N.CDS-CDS	0	1	0	0	-
ENAH-UCLH5	chr1	226250919 -	chr1	193051817 -	ENAH	ENST00000366843	chr1	226250919 -	UCLH5	ENST00000367448	chr1	193051817 -	N.CDS-CDS	0	1	1	1	Out-of-frame
ENDOD1-BBS1	chr11	95090227 +	chr11	66521270 +	ENDOD1	ENST00000278505	chr11	95090227 +	BBS1	ENST00000318312	chr11	66521270 +	YCCDS-CDS	0	1	1	1	In-frame
ENDOD1-RAB30	chr11	95090227 +	chr11	82994122 +	ENDOD1	ENST00000278505	chr11	95090227 +	RAB30	ENST00000260056	chr11	82994122 +	YCCDS-CDS	0	1	1	1	In-frame
ENDOV-KZF3	chr17	80429831 +	chr17	39766493 +	ENDOV	ENST00000323854	chr17	80429831 +	KZF3	ENST00000346243	chr17	39766493 +	YCCDS-CDS	0	1	0	0	-
ENR9-NCL9	chr9	12781749 -	chr9	6544922 -	ENR9	ENST00000344849	chr9	12781749 -	NCL9	ENST00000328922	chr9	6544922 -	YCCDS-CDS	0	1	1	1	In-frame
ENK-AKI	chr9	127843094 -	chr9	127868512 -	ENK	ENST00000344849	chr9	127843094 -	AKI	ENST00000223836	chr9	127868512 -	YCCDS-CDS	0	1	0	0	-
ENGASE-TNRC6C	chr17	79080364 +	chr17	79080364 +	ENGASE	ENST00000300682	chr17	79080364 +	TNRC6C	ENST00000301624	chr17	79080364 +	N.CDS-CDS	0	1	0	0	-
ENGASE-TNRC6C	chr17	79080364 +	chr17	79080364 +	ENGASE	ENST00000579016	chr17	79080364 +	TNRC6C	ENST00000301624	chr17	79080364 +	YCCDS-CDS	0	1	0	0	-
ENO1-SIAE	chr1	8861002 -	chr11	124673881 -	ENO1	ENST00000234590	chr1	8861002 -	SIAE	ENST00000263593	chr11	124673881 -	N.3UTR-SUTR	0	0	1	3	3UTR-SUTR
ENO1-UVRAG	chr1	8861002 -	chr1	75983387 +	ENO1	ENST00000234590	chr1	8861002 -	UVRAG	ENST00000356136	chr1	75983387 +	Y.3UTR-CDS-1X	0	0	1	3	3UTR-CDS
ENO1-RFWD2	chr1	8861002 -	chr1	176160284 -	ENO1	ENST00000234590	chr1	8861002 -	RFWD2	ENST00000308769	chr1	176160284 -	Y.3UTR-ND-1X	0	0	1	3	NA
ENO1-SNW1	chr1	8861002 -	chr14	77222860 -	ENO1	ENST00000234590	chr1	8861002 -	SNW1	ENST00000261531	chr14	77222860 -	Y.3UTR-ND-1X	0	0	2	3	3UTR-CDS
ENO1-UTRN	chr1	8861002 -	chr6	144344101 +	ENO1	ENST00000234590	chr1	8861002 -	UTRN	ENST00000421035	chr6	144344101 +	N.3UTR-SUTR	0	0	1	3	NA
ENOSF1-PPT1	chr18	706470 -	chr1	40092507 -	ENOSF1	ENST00000251101	chr18	706470 -	PPT1	ENST00000433473	chr1	40092507 -	YCCDS-CDS	0	1	1	1	In-frame
ENOSF1-PPT1	chr18	706470 -	chr1	40092507 -	ENOSF1	ENST00000340116	chr18	706470 -	PPT1	ENST00000433473	chr1	40092507 -	YCCDS-CDS	0	1	1	1	In-frame
ENOX2-OSBPL5	chrX	130627958 -	chr11	3129169 -	ENOX2	ENST00000338144	chrX	130627958 -	OSBPL5	ENST00000263650	chr11	3129169 -	YCCDS-SUTR	0	0	1	1	CDS-SUTR
ENOX2-SMARCA1	chrX	130703120 -	chrX	129471326 -	ENOX2	ENST00000338144	chrX	130703120 -	SMARCA1	ENST00000371121	chrX	129471326 -	N.CDS-CDS-3X	0	1	1	1	Out-of-frame
ENPP1-NSR	chr6	131808275 +	chr6	83854037 +	ENPP1	ENST00000360971	chr6	131808275 +	NSR	ENST00000318312	chr6	83854037 +	YCCDS-CDS	0	1	0	0	-
ENPP1-CDX1	chr6	131808275 +	chr6	150182768 +	ENPP1	ENST00000360971	chr6	131808275 +	CDX1	ENST00000320850	chr6	150182768 +	N.CDS-CDS	0	1	1	1	Out-of-frame
ENPP5-EPYC	chr6	14615387 -	chr12	90964326 +	ENPP5	ENST00000337383	chr6	14615387 -	EPYC	ENST00000261172	chr12	90964326 +	N.CDS-CDS-18X	0	1	0	0	-
ENSA-RASEF	chr1	150625642 -	chr9	83025922 -	ENSA	ENST00000339433	chr1	150625642 -	RASEF	ENST00000376447	chr9	83025922 -	N.CDS-ND	0	1	0	0	-
ENSA-RASEF	chr1	150625642 -	chr9	83025922 -	ENSA	ENST00000271690	chr1	150625642 -	RASEF	ENST00000376447	chr9	83025922 -	N.CDS-ND	0	1	0	0	-
ENSA-KLHDC9	chr1	150755150 -	chr1	161100061 -	ENSA	ENST00000271690	chr1	150755150 -	KLHDC9	ENST00000368985	chr1	161100061 -	N.CDS-CDS	0	1	0	0	-
ENSA-CTSS	chr1	150755150 -	chr1	150755150 -	ENSA	ENST00000513281	chr1	150755150 -	CTSS	ENST00000368985	chr1	150755150 -	YCCDS-CDS	0	1	0	0	-
ENSA-CTSS	chr1	150755150 -	chr1	150755150 -	ENSA	ENST00000513281	chr1	150755150 -	CTSS	ENST00000368985	chr1	150755150 -	YCCDS-CDS	0	1	0	0	-
ENSA-CTSS	chr1	150755150 -	chr1	150755150 -	ENSA	ENST00000361532	chr1	150755150 -	CTSS	ENST00000368985	chr1	150755150 -	YCCDS-CDS	0	1	0	0	-
ENTH1-RNF212	chr22	39861765 -	chr4	1073662 -	ENTH1	ENST00000325157	chr22	39861765 -	RNF212	ENST00000382968	chr4	1073662 -	N.CDS-CDS-10X	0	1	1	1	Out-of-frame
ENTH1-RNF212	chr22	39861765 -	chr4	1073662 -	ENTH1	ENST00000325157	chr22	39861765 -	RNF212	ENST00000433731	chr4	1073662 -	N.CDS-CDS-10X	0	1	1	1	Out-of-frame
ENTH1-CCU1	chr14	73727102 -	chr14	72551341 -	ENTH1	ENST00000325157	chr14	73727102 -	CCU1	ENST00000325157	chr14	72551341 -	YCCDS-CDS	0	1	0	0	-
ENTPD5-ALDH6A1	chr14	73797010 -	chr14	74075017 -	ENTPD5	ENST00000557325	chr14	73797010 -	ALDH6A1	ENST00000350259	chr14	74075017 -	YCCDS-CDS	0	1	0	0	-
ENTPD5-OLFM2	chr14	73986814 -	chr19	9860794 -	ENTPD5	ENST00000557325	chr14	73986814 -	OLFM2	ENST00000264833	chr19	9860794 -	YCCDS-CDS	0	1	1	3	In-frame
ENTPD5-TSHR	chr14	73986814 -	chr14	81092531 +	ENTPD5	ENST00000334326	chr14	73986814 -	TSHR	ENST00000298171	chr14	81092531 +	N.CDS-CDS-3X	0	1	1	2	Out-of-frame
ENTPD7-IDE	chr10	99679875 +	chr10	92490595 -	ENTPD7	ENST00000370489	chr10	99679875 +	IDE	ENST00000265986	chr10	92490595 -	YCCDS-CDS	0	1	0	1	In-frame
ENY2-NSF	chr8	109340563 +	chr8	109340563 +	ENY2	ENST00000520147	chr8	109340563 +	NSF	ENST00000398238	chr8	109340563 +	YCCDS-CDS	0	1	0	0	-
EOG1-SYNPR	chr3	68998011 -	chr3	63480832 +	EOG1	ENST00000295711	chr3	68998011 -	SYNPR	ENST00000295964	chr3	63480832 +	YCCDS-CDS	0	1	1	2	In-frame
EP300-MCHR1	chr22	41093098 +	chr22	402460122 -	EP300	ENST00000263253	chr22	41093098 +	MCHR1	ENST00000263253	chr22	402460122 -	N.CDS-CDS	0	1	1	2	Out-of-frame
EP300-MCHR1	chr22	41093098 +	chr22	40680949 +	EP300	ENST00000263253	chr22	41093098 +	MCHR1	ENST00000381433	chr22	40680949 +	YCCDS-CDS	0	1	1	1	In-frame
EP300-CARD8	chr22	41093098 +	chr19	48215384 -	EP300	ENST00000263253	chr22	41093098 +	CARD8	ENST00000519940	chr19	48215384 -	YCCDS-CDS	0	1	0	0	-
EP300-HAUS8	chr22	41117821 +	chr19	17056002 -	EP300	ENST00000263253	chr22											

ERBB2-ICZF3	chr17	39716605 +	chr17	39829488 +	ERBB2	ENST00000269571	chr17	39716605 +	ICZF3	ENST00000293068	chr17	39829488 +	N.CDS-CDS:3X	0	0	1	1er1	Out-of-frame	
ERBB2-TCAP	chr17	39716605 +	chr17	39829488 +	ERBB2	ENST00000269571	chr17	39716605 +	TCAP	ENST00000309889	chr17	39829488 +	N.CDS-CDS:16X	0	0	1	1er1	Out-of-frame	
ERBB2-PSMB3	chr17	39710834 +	chr17	39710834 +	ERBB2	ENST00000269571	chr17	39710834 +	PSMB3	ENST0000010434	chr17	39710834 +	N.CDS-CDS:17X	0	0	1	1er1	In-frame	
ERBB2-SLC29A3	chr17	39727033 +	chr17	39727033 +	ERBB2	ENST00000269571	chr17	39727033 +	SLC29A3	ENST0000037189	chr17	39727033 +	N.CDS-CDS:36X	0	1	1	1er1	Out-of-frame	
ERBB2-PPP1R1B	chr17	39727547 +	chr17	39727547 +	ERBB2	ENST00000269571	chr17	39727547 +	PPP1R1B	ENST00000254079	chr17	39727547 +	Y.CDS-CDS	0	0	2	1er1	In-frame	
ERBB2-NOMO1	chr17	39727872 +	chr17	39727872 +	ERBB2	ENST00000269571	chr17	39727872 +	NOMO1	ENST00000287667	chr17	39727872 +	N.CDS-CDS:41X	0	1	0	0	0	
ERBB2-CLDN7	chr17	39728245 +	chr17	39728245 +	ERBB2	ENST00000269571	chr17	39728245 +	CLDN7	ENST00000358261	chr17	39728245 +	N.UTR-SUTR:31)	0	0	0	1	1er3	3UTR-SUTR
ERBB2-SUPT16H	chr17	39728602 +	chr17	39728602 +	ERBB2	ENST00000269571	chr17	39728602 +	SUPT16H	ENST00000216297	chr17	39728602 +	Y.UTR-ND:3X	0	0	0	1	1er2	3UTR-SUTR
ERBB2-PASX1	chr17	39728951 +	chr17	39728951 +	ERBB2	ENST00000269571	chr17	39728951 +	PASX1	ENST00000375687	chr17	39728951 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
ERBB2-COX4I2	chr12	56080382 +	chr20	31643404 +	ERBB2	ENST00000267101	chr12	56080382 +	COX4I2	ENST00000376075	chr20	31643404 +	Y.CDS-CDS	0	1	1	1er1	In-frame	
ERBB2-SUOX	chr12	56002212 +	chr12	56100245 +	ERBB2	ENST00000267101	chr12	56100245 +	SUOX	ENST00000266971	chr12	56002212 +	N.CDS-SUTR:61X	0	0	0	1	1er4	CDS-SUTR
ERBB2-FOXAI1	chr12	56103499 +	chr14	37600040 +	ERBB2	ENST00000267101	chr12	56103499 +	FOXAI1	ENST00000250448	chr14	37600040 +	N.3UTR-ND:70X	0	0	0	1	1er3	3UTR-SUTR
ERBB2-RPL30	chr12	56103499 +	chr8	98046469 +	ERBB2	ENST00000267101	chr12	56103499 +	RPL30	ENST00000521726	chr8	98046469 +	N.3UTR-SUTR	0	0	0	1	1er2	NA
ERC1-MRPL51	chr12	991487 +	chr12	6492972 +	ERC1	ENST00000355446	chr12	991487 +	MRPL51	ENST00000229238	chr12	6492972 +	N.5UTR-CDS	0	0	0	1	1er1	5UTR-CDS
ERC1-WNK1	chr12	1028572 +	chr12	878212 +	ERC1	ENST00000355446	chr12	1028572 +	WNK1	ENST00000315639	chr12	878212 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
ERC1-WNK1	chr12	1028572 +	chr12	878212 +	ERC1	ENST00000355446	chr12	1028572 +	WNK1	ENST00000315639	chr12	878212 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
ERC1-TACC3	chr12	1083580 +	chr4	1739702 +	ERC1	ENST00000355446	chr12	1083580 +	TACC3	ENST00000313288	chr4	1739702 +	Y.CDS-CDS	0	1	1	1er1	In-frame	
ERC1-WNK1	chr12	1104824 +	chr12	867866 +	ERC1	ENST00000347735	chr12	1104824 +	WNK1	ENST00000349098	chr12	867866 +	Y.CDS-CDS	0	0	1	1er4	In-frame	
ERC1-GPCS	chr12	1141787 +	chr13	92866282 +	ERC1	ENST00000355446	chr12	1141787 +	GPCS	ENST00000377067	chr13	92866282 +	N.CDS-CDS:10X	0	1	1	1er2	Out-of-frame	
ERC1-GABRB1	chr12	1190052 +	chr4	47320127 +	ERC1	ENST00000355446	chr12	1190052 +	GABRB1	ENST00000295454	chr4	47320127 +	Y.CDS-CDS	0	1	1	1er4	In-frame	
ERC1-IPK3C2G	chr12	1190052 +	chr12	18488449 +	ERC1	ENST00000347735	chr12	1190052 +	IPK3C2G	ENST00000266497	chr12	18488449 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
ERC1-WNT4	chr12	1236904 +	chr18	2567654 +	ERC1	ENST00000347735	chr12	1236904 +	WNT4	ENST00000319888	chr18	2567654 +	Y.CDS-SUTR:8X	0	0	1	1er1	CDS-SUTR	
ERC1-WVF	chr12	1263165 +	chr12	5976260 +	ERC1	ENST00000355446	chr12	1263165 +	WVF	ENST00000261405	chr12	5976260 +	Y.CDS-CDS	0	1	1	1er1	In-frame	
ERC1-MRPS9	chr12	1371977 +	chr2	105099670 +	ERC1	ENST00000347735	chr12	1371977 +	MRPS9	ENST00000258455	chr2	105099670 +	N.CDS-CDS:1X	0	0	1	1er1	Out-of-frame	
ERC1-TOMM34	chr12	1408247 +	chr20	44943579 +	ERC1	ENST00000347735	chr12	1408247 +	TOMM34	ENST00000372813	chr20	44943579 +	N.CDS-CDS:61X	0	0	1	1er1	Out-of-frame	
ERC1-HEBP1	chr12	1408247 +	chr12	12898415 +	ERC1	ENST00000355446	chr12	1408247 +	HEBP1	ENST00000014930	chr12	12898415 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
ERC1-UTRN	chr12	144730357 +	chr6	144730357 +	ERC1	ENST00000355446	chr12	144730357 +	UTRN	ENST00000367526	chr6	144730357 +	Y.CDS-CDS	0	1	0	0	0	
ERC2-DNAH12	chr3	55950425 +	chr3	57323619 +	ERC2	ENST00000288221	chr3	55950425 +	DNAH12	ENST00000351747	chr3	57323619 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
ERC2-ARHGAP23	chr3	55882354 +	chr3	55882354 +	ERC2	ENST00000288221	chr3	55882354 +	ARHGAP23	ENST00000324393	chr3	55882354 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
ERCC2-MYH14	chr19	45361524 +	chr19	50370749 +	ERCC2	ENST00000391941	chr19	45361524 +	MYH14	ENST00000262269	chr19	50370749 +	N.CDS-SUTR:2X	0	0	0	1	1er2	Out-of-frame
ERCC2-NOVA2	chr19	45368630 +	chr19	45940945 +	ERCC2	ENST00000391941	chr19	45368630 +	NOVA2	ENST00000262327	chr19	45940945 +	Y.CDS-CDS	0	1	1	1er1	In-frame	
ERCC2-C12orf40	chr19	45368930 +	chr19	39716756 +	ERCC2	ENST00000391941	chr19	45368930 +	C12orf40	ENST00000324616	chr19	39716756 +	Y.CDS-CDS	0	0	1	1er1	Out-of-frame	
ERCC3-MAP3K2	chr2	127314883 +	chr2	127314883 +	ERCC3	ENST00000285398	chr2	127314883 +	MAP3K2	ENST00000344908	chr2	127314883 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
ERCC3-PRX1	chr10	49528417 +	chr20	48708421 +	ERCC3	ENST00000358332	chr10	49528417 +	PRX1	ENST00000371941	chr20	48708421 +	N.CDS-CDS:7X	0	0	0	1	1er1	Out-of-frame
ERCC3-TRPM6	chr9	74859771 +	chr9	74859771 +	ERCC3	ENST00000288986	chr9	74859771 +	TRPM6	ENST00000365047	chr9	74859771 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
ERCC3-ATP8A1	chr9	95565013 +	chr4	42524847 +	ERCC3	ENST00000288986	chr9	95565013 +	ATP8A1	ENST00000264449	chr4	42524847 +	Y.CDS-CDS	0	1	1	1er1	In-frame	
ERCC3-CDCA14B	chr9	96004701 +	chr9	96004701 +	ERCC3	ENST00000320486	chr9	96004701 +	CDCA14B	ENST00000375240	chr9	96004701 +	N.CDS-CDS	0	1	0	0	0	
ERG-TAF8	chr21	38575662 +	chr6	42051357 +	ERG	ENST00000398987	chr21	38575662 +	TAF8	ENST00000329777	chr6	42051357 +	N.5UTR-CDS	0	1	1	1er1	In-frame	
ERG-ZNRF3	chr21	38575662 +	chr21	28987076 +	ERG	ENST00000398987	chr21	38575662 +	ZNRF3	ENST00000402174	chr21	28987076 +	N.5UTR-CDS	0	1	1	1er3	In-frame	
ERG-KCNJ6	chr21	38575662 +	chr21	37625484 +	ERG	ENST00000398987	chr21	38575662 +	KCNJ6	ENST00000609713	chr21	37625484 +	N.5UTR-CDS	0	1	1	1er3	Out-of-frame	
ERG-TMPRSS2	chr21	38575662 +	chr21	41498189 +	ERG	ENST00000398987	chr21	38575662 +	TMPRSS2	ENST00000332149	chr21	41498189 +	N.5UTR-SUTR	0	1	1	1er2	CDS-SUTR	
ERG-SON	chr21	38575662 +	chr21	33546213 +	ERG	ENST00000398987	chr21	38575662 +	SON	ENST00000300278	chr21	33546213 +	N.5UTR-CDS:2X	0	0	1	1er1	Out-of-frame	
ERG-TMPRSS2	chr21	38575662 +	chr21	41480602 +	ERG	ENST00000398987	chr21	38575662 +	TMPRSS2	ENST00000332149	chr21	41480602 +	N.5UTR-CDS	0	0	1	1er1	Out-of-frame	
ERG-PLEKH11	chr21	38575662 +	chr14	6755825 +	ERG	ENST00000398987	chr21	38575662 +	PLEKH11	ENST00000329153	chr14	6755825 +	N.5UTR-CDS	0	1	1	1er1	In-frame	
ERG-TMPRSS2	chr21	38575662 +	chr21	41489593 +	ERG	ENST00000398910	chr21	38575662 +	TMPRSS2	ENST00000332149	chr21	41489593 +	N.CDS-CDS	0	1	0	0	0	
ERG-TMPRSS2	chr21	38575662 +	chr21	41480602 +	ERG	ENST00000398910	chr21	38575662 +	TMPRSS2	ENST00000332149	chr21	41480602 +	N.CDS-CDS	0	1	1	1er1	Out-of-frame	
ERG-TAF8	chr21	38575662 +	chr6	42051357 +	ERG	ENST00000398910	chr21	38575662 +	TAF8	ENST00000329777	chr6	42051357 +	Y.CDS-CDS	0	1	1	1er1	In-frame	
ERG-ZNRF3	chr21	38575662 +	chr21	28987076 +	ERG	ENST00000398910	chr21	38575662 +	ZNRF3	ENST00000402174	chr21	28987076 +	Y.CDS-CDS	0	1	1	1er3	In-frame	
ERG-RPS18	chr21	38575662 +	chr6	33272628 +	ERG	ENST00000398910	chr21	38575662 +	RPS18	ENST00000439602	chr6	33272628 +	Y.CDS-CDS	0	1	0	0	0	
ERG-PLEKH11	chr21	38575662 +	chr14	6755825 +	ERG	ENST00000398910	chr21	38575662 +	PLEKH11	ENST00000329153	chr14	6755825 +	Y.CDS-CDS	0	1	1	1er1	In-frame	
ERG-TAF8	chr21	38575662 +	chr6	42051357 +	ERG	ENST00000398910	chr21	38575662 +	TAF8	ENST00000329777	chr6	42051357 +	Y.CDS-CDS	0	1	1	1er1	In-frame	
ERG-ZNRF3	chr21	38575662 +	chr21	28987076 +	ERG	ENST00000398910	chr21	38575662 +	ZNRF3	ENST00000402174	chr21	28987076 +	Y.CDS-CDS	0	1	1	1er3	In-frame	
ERG-TMPRSS2	chr21	38575662 +	chr21	41494578 +	ERG	ENST00000398910	chr21	38575662 +	TMPRSS2	ENST00000332149	chr21	41494578 +	Y.CDS-CDS	0	1	0	0	0	
ERG-RPS18	chr21	38575662 +	chr6	33272628 +	ERG	ENST00000398910	chr21	38575662 +	RPS18	ENST00000439602	chr6	33272628 +	Y.CDS-CDS	0	1	0	0	0	
ERG-PLEKH11	chr21	38575662 +	chr14	6755825 +	ERG	ENST00000398910	chr21	38575662 +	PLEKH11	ENST00000329153	chr14	6755825 +	Y.CDS-CDS	0	1	1	1er1	In-frame	
ERG-TAF8	chr21	38575662 +	chr6	42051357 +	ERG	ENST00000398910	chr21	38575662 +	TAF8	ENST00000329777	chr6	42051357 +	Y.CDS-CDS	0	1	1	1er1	In-frame	
ERG-ZNRF3	chr21	38575662 +	chr21	28987076 +	ERG	ENST00000398910	chr21	38575662 +	ZNRF3	ENST00000402174	chr21	28987076 +	Y.CDS-CDS	0	1	1	1er3	In-frame	
ERG-RPS18	chr21	38575662 +	chr6	33272628 +	ERG	ENST00000398910	chr21	38575662 +	RPS18	ENST00000439602	chr6	33272628 +	Y.CDS-CDS	0	1	0	0	0	
ERG-PLEKH11	chr21	38575662 +	chr14	6755825 +	ERG	ENST00000398910	chr21	38575662 +	PLEKH11	ENST00000329153	chr14	6755825 +	Y.CDS-CDS	0	1	1	1er1	In-frame	
ERG-TAF8	chr21	38575662 +	chr6	42051357 +	ERG	ENST00000398910	chr21	38575662 +	TAF8	ENST00000329777	chr6	42051357 +	Y.CDS-CDS	0	1	1	1er1	In-frame	
ERG-ZNRF3	chr21	38575662 +	chr21	28987076 +	ERG	ENST00000398910	chr21	38575662 +	ZNRF3	ENST00000402174	chr21	28987076 +	Y.CDS-CDS	0	1	1	1er3	In-frame	
ERG-TMPRSS2	chr21	38575662 +	chr21	41494578 +	ERG	ENST00000398910	chr21	38575662 +	TMPRSS2	ENST00000332149	chr21	41494578 +	Y.CDS-CDS	0	1	0	0	0	
ERG-RPS18	chr21	38575662 +	chr6	33272628 +	ERG	ENST000003989													

EXOC2-MDGA1	chr6	693019	chr6	693019	MDGA1	ENST00000418178	chr6	37644649	N5UTR-CDS	0	0	1	chr3	SUTR-CDS
EXOC2-OEOP	chr6	693019	chr6	73369385	OEOP	ENST00000370359	chr6	73369385	N5UTR-CDS	0	0	1	chr1	SUTR-CDS
EXOC3-ACGL	chr5	11799263	chr5	11799263	ACGL	ENST00000292673	chr5	11799263	N3UTR-SUTR-2X	0	0	1	chr1	SUTR-CDS
EXOC4-RABAB	chr7	133317390	chr19	40780019	RABAB	ENST00000594800	chr19	40780019	YCDS-CDS	0	0	1	chr1	In-frame
EXOC4-WBSCR17	chr7	133317390	chr7	71170761	WBSCR17	ENST00000333538	chr7	71170761	YCDS-CDS-11X	0	0	1	chr2	In-frame
EXOC4-CHCHD3	chr7	133375002	chr7	133070229	CHCHD3	ENST00000262570	chr7	133070229	YCDS-CDS	0	0	1	chr1	In-frame
EXOC4-SLC25A13	chr7	133375002	chr7	96146696	SLC25A13	ENST00000265631	chr7	96146696	YCDS-CDS	0	0	1	chr1	In-frame
EXOC4-SUPT3H	chr7	133480138	chr7	44829857	SUPT3H	ENST00000371458	chr7	44829857	YCDS-CDS	0	0	1	chr4	In-frame
EXOC4-TRUB2	chr7	133480138	chr7	128317226	TRUB2	ENST00000372890	chr7	128317226	YCDS-CDS	0	0	1	chr1	In-frame
EXOC4-PTAFR	chr7	133830141	chr7	28151059	PTAFR	ENST00000305392	chr7	28151059	NCD5-SUTR-31X	0	0	1	chr1	CDS-SUTR
EXOC5-SLC35F4	chr14	57268622	chr14	57594124	SLC35F4	ENST00000339762	chr14	57594124	NCD5-CDS	0	0	1	chr2	CDS-SUTR
EXOC6-DTNB	chr10	92848634	chr10	25388361	DTNB	ENST00000288642	chr10	25388361	YCDS-CDS	0	0	1	chr2	Out-of-frame
EXOC6-EYS	chr10	93014267	chr10	64066491	EYS	ENST00000370621	chr10	64066491	NCD5-CDS-54X	0	0	1	chr3	Out-of-frame
EXOC6B-CASP10	chr2	72334947	chr2	201208075	CASP10	ENST00000272879	chr2	201208075	YCDS-CDS	0	0	1	chr1	In-frame
EXOC6B-SFXN5	chr2	72718103	chr2	72945099	SFXN5	ENST00000272433	chr2	72945099	YCDS-CDS	0	0	1	chr2	In-frame
EXOC6B-SLC4A5	chr2	72718103	chr2	74233563	SLC4A5	ENST00000346834	chr2	74233563	YCDS-CDS	0	0	1	chr1	In-frame
EXOC6B-SFXN5	chr2	72718103	chr2	73023214	SFXN5	ENST00000272433	chr2	73023214	YCDS-CDS	0	0	1	chr1	In-frame
EXOC6B-SFXN5	chr2	72825798	chr2	72971685	SFXN5	ENST00000272433	chr2	72971685	NCD5-CDS	0	0	1	chr1	Out-of-frame
EXOC6B-PCCB	chr2	72825798	chr2	136326803	PCCB	ENST00000251654	chr2	136326803	NCD5-CDS	0	0	1	chr1	Out-of-frame
EXOC7-FOXJ1	chr17	76097796	chr17	76138120	FOXJ1	ENST00000322957	chr17	76138120	NCD5-CDS-5X	0	0	1	chr4	Out-of-frame
EXOSC1-CCDC144A	chr10	9745732	chr10	16771977	CCDC144A	ENST00000360495	chr10	16771977	NCD5-SUTR	0	0	1	chr1	In-frame
EXOSC1-CCDC144A	chr10	9745732	chr10	16771977	CCDC144A	ENST00000360495	chr10	16771977	NCD5-SUTR	0	0	1	chr1	In-frame
EXOSC1-CCDC144A	chr10	9745732	chr10	16771977	CCDC144A	ENST00000360495	chr10	16771977	NCD5-SUTR	0	0	1	chr1	In-frame
EXOSC10-MTOR	chr1	11079711	chr1	11079711	MTOR	ENST00000361445	chr1	11079711	YCDS-CDS	0	0	1	chr1	In-frame
EXOSC4-NEIL2	chr8	144078990	chr8	11779599	NEIL2	ENST00000436750	chr8	11779599	YCDS-CDS	0	0	1	chr1	In-frame
EXOSC4-NEIL2	chr8	144078990	chr8	11779599	NEIL2	ENST00000436750	chr8	11779599	NND-CDS-2X	0	0	1	chr1	In-frame
EXOSC4-NEIL2	chr8	144078990	chr8	11779599	NEIL2	ENST00000436750	chr8	11779599	NND-CDS	0	0	1	chr1	In-frame
EXOSC5-COGBP	chr19	39863892	chr19	39863892	COGBP	ENST00000167211	chr19	39863892	YCDS-CDS	0	0	1	chr1	In-frame
EXOSC5-SUTR	chr19	39874537	chr19	39874537	SUTR	ENST00000167211	chr19	39874537	YCDS-CDS	0	0	1	chr1	In-frame
EXOSC7-ZDHHC3	chr3	44976334	chr3	44959460	ZDHHC3	ENST00000296127	chr3	44959460	YCDS-SUTR-1X	0	0	1	chr1	CDS-SUTR
EXOSC9-MAPK10	chr4	10276022	chr4	86031431	MAPK10	ENST00000310816	chr4	86031431	NCD5-SUTR	0	0	1	chr1	Out-of-frame
EXPH5-SLC35F2	chr11	10859348	chr11	10859348	SLC35F2	ENST00000253448	chr11	10859348	YCDS-SUTR	0	0	1	chr1	In-frame
EXT1-PTK2	chr8	117804722	chr8	117804722	PTK2	ENST00000519465	chr8	117804722	NCD5-CDS-16X	0	0	1	chr1	In-frame
EXT1-RSF1	chr8	117812872	chr8	117812872	RSF1	ENST00000308488	chr8	117812872	YCDS-CDS	0	0	1	chr1	In-frame
EXT1-RSF1	chr8	117812872	chr8	117812872	RSF1	ENST00000308488	chr8	117812872	NCD5-CDS-10X	0	0	1	chr1	Out-of-frame
EXT1-SAMD12	chr8	118110085	chr8	118110085	SAMD12	ENST00000490903	chr8	118110085	NCD5-CDS-8X	0	0	1	chr1	Out-of-frame
EXT1-TSNARE1	chr8	118110085	chr8	118110085	TSNARE1	ENST00000307180	chr8	118110085	NCD5-SUTR-2X	0	0	1	chr1	CDS-SUTR
EXT1-SAMD12	chr8	118110085	chr8	118379700	SAMD12	ENST00000314727	chr8	118379700	NCD5-CDS-8X	0	0	1	chr4	Out-of-frame
EXT1-FAM155A	chr8	118110085	chr8	107170786	FAM155A	ENST00000359151	chr8	107170786	NCD5-CDS-8X	0	0	1	chr1	Out-of-frame
EXT1-WDYHV1	chr8	118110085	chr8	123427924	WDYHV1	ENST00000287387	chr8	123427924	YCDS-CDS	0	0	1	chr1	In-frame
EXT2-ALKBH3	chr11	44113018	chr11	43919038	ALKBH3	ENST00000302708	chr11	43919038	YCDS-CDS	0	0	1	chr1	In-frame
EXT2-ALKBH3	chr11	44113018	chr11	43919038	ALKBH3	ENST00000302708	chr11	43919038	NCD5-CDS	0	0	1	chr1	In-frame
EXT2-TTC17	chr11	44130138	chr11	44130138	TTC17	ENST00000398999	chr11	44130138	YCDS-CDS	0	0	1	chr1	In-frame
EXT2-PRMT10	chr11	44130138	chr11	44130138	PRMT10	ENST00000323996	chr11	44130138	YCDS-CDS	0	0	1	chr1	In-frame
EXT2-ALKBH3	chr11	44198018	chr11	43919038	ALKBH3	ENST00000302708	chr11	43919038	NCD5-CDS-10X	0	0	1	chr1	Out-of-frame
EXT2-ALX4	chr11	44236375	chr11	44236375	ALX4	ENST00000329255	chr11	44236375	NCD5-CDS-29X	0	0	1	chr1	Out-of-frame
EYA2-LHX2	chr20	47016297	chr20	47016297	LHX2	ENST00000376151	chr20	47016297	NCD5-CDS-1X	0	0	1	chr1	Out-of-frame
EYA2-SLC22A10	chr20	47097168	chr20	47097168	SLC22A10	ENST00000243168	chr20	47097168	YCDS-CDS	0	0	1	chr1	In-frame
EYA2-SYS1	chr20	47097168	chr20	45365619	SYS1	ENST00000426004	chr20	45365619	YCDS-CDS	0	0	1	chr1	In-frame
EYA2-MYLK2	chr20	47097168	chr20	31830819	MYLK2	ENST00000359855	chr20	31830819	YCDS-CDS	0	0	1	chr1	In-frame
EYA3-POP4	chr19	29863531	chr19	29863531	POP4	ENST00000221770	chr19	29863531	YCDS-CDS	0	0	1	chr1	In-frame
EYA3-GUCA1C	chr1	28088524	chr1	28088524	GUCA1C	ENST00000216047	chr1	28088524	N5UTR-CDS	0	0	2	chr1	SUTR-CDS
EYAA-MAP3K5	chr6	133241749	chr6	133241749	MAP3K5	ENST00000399105	chr6	133241749	N5UTR-CDS	0	0	1	chr1	SUTR-CDS
EYAA-PKB1	chr6	133241749	chr6	122633283	PKB1	ENST00000399105	chr6	122633283	NCD5-SUTR-4X	0	0	1	chr1	In-frame
EYS-STX11	chr6	14868697	chr6	14868697	STX11	ENST00000367568	chr6	14868697	YCDS-SUTR	0	0	1	chr1	CDS-SUTR
EZH1-TP2A	chr17	42702877	chr17	42702877	TP2A	ENST00000423485	chr17	42702877	NCD5-CDS-25X	0	0	1	chr2	Out-of-frame
EZH1-MAP3K14	chr17	42709846	chr17	42709846	MAP3K14	ENST00000344686	chr17	42709846	NCD5-SUTR-21X	0	0	1	chr1	CDS-SUTR
EZH1-IGFBP5	chr17	42727635	chr17	42727635	IGFBP5	ENST00000233813	chr17	42727635	NCD5-CDS-3X	0	0	1	chr1	Out-of-frame
EZH1-PDSS2	chr17	42727635	chr17	42727635	PDSS2	ENST00000369037	chr17	42727635	NCD5-CDS-2X	0	0	1	chr1	Out-of-frame
EZH1-PDSS2	chr17	42727635	chr17	42727635	PDSS2	ENST00000369037	chr17	42727635	NCD5-CDS-2X	0	0	1	chr1	Out-of-frame
EZH1-PCSD2	chr17	42728825	chr17	42728825	PCSD2	ENST00000262577	chr17	42728825	YCDS-CDS	0	0	1	chr1	Out-of-frame
EZH1-ZC3H3	chr17	42728825	chr17	42728825	ZC3H3	ENST00000262577	chr17	42728825	YCDS-CDS	0	0	1	chr1	In-frame
EZH2-AUTS2	chr7	70762870	chr7	70762870	AUTS2	ENST00000342771	chr7	70762870	NCD5-CDS-1X	0	0	1	chr1	Out-of-frame
EZH2-AUTS2	chr7	70762870	chr7	70762870	AUTS2	ENST00000342771	chr7	70762870	NCD5-CDS	0	0	1	chr1	In-frame
EZH2-TMEM176B	chr7	70762870	chr7	150796574	TMEM176B	ENST00000326442	chr7	150796574	N5UTR-SUTR	0	0	1	chr2	SUTR-CDS
EZR-ANP32B	chr6	158783524	chr6	158783524	ANP32B	ENST00000339399	chr6	158783524	YCDS-CDS	0	0	1	chr1	In-frame
EZR-ANP32B	chr6	158783524	chr6	158783524	ANP32B	ENST00000339399	chr6	158783524	NCD5-CDS-54X	0	0	1	chr1	In-frame
EZR-C1orf50	chr6	158818082	chr6	158818082	C1orf50	ENST00000372525	chr6	158818082	YCDS-CDS	0	0	1	chr1	In-frame
EZR-SNX9	chr6	158818082	chr6	158818082	SNX9	ENST00000392185	chr6	158818082	YCDS-CDS	0	0	1	chr1	In-frame
F11R-USF1	chr1	161021010	chr1	161021010	USF1	ENST00000368020	chr1	161021010	N5UTR-SUTR	0	0	1	chr1	CDS-SUTR
F11R-NOS1AP	chr1	161021010	chr1	161021010	NOS1AP	ENST00000361897	chr1	161021010	N5UTR-CDS	0	0	1	chr1	In-frame
F11R-NR13	chr1	161021010	chr1	161021010	NR13	ENST00000367990	chr1	161021010	NCD5-CDS	0	0	1	chr1	In-frame
F5H-SOX13	chr1	169888900	chr1	169888900	SOX13	ENST00000371771	chr1	169888900	NCD5-SUTR-124X	0	0	1	chr1	CDS-SUTR
FA2H-KARS	chr16	74740023	chr16	74740023	KARS	ENST00000302445	chr16	74740023	YCDS-CDS	0	0	1	chr1	In-frame
FA2H-GLG1	chr16	74740023	chr16	74740023	GLG1	ENST00000205061	chr16	74740023	YCDS-CDS	0	0	1	chr1	In-frame
FAAH-RAD54L	chr1	46267459	chr1	46267459	RAD54L	ENST00000371975	chr1	46267459	YCDS-CDS	0	0	1	chr1	In-frame
FADS1-TMEM138	chr11	61367923	chr11	61367923	TMEM138	ENST00000278826	chr11	61367923	YCDS-CDS	0	0	1	chr1	In-frame
FADS1-TMEM138	chr11	61367923	chr11	61367923	TMEM138	ENST00000278826	chr11	61367923	NCD5-CDS-28X	0	0	1	chr1	Out-of-frame
FADFR1-TRF1	chr1	50535369	chr1	50535369	TRF1	ENST00000371771	chr1	50535369	YCDS-CDS	0	0	1	chr1	In-frame
FAF1-DCAF6	chr17	59697978	chr17	59697978	DCAF6	ENST00000409433	chr17	59697978	YCDS-CDS	0	0	1	chr1	In-frame
FAF1-PTRH2	chr1	50655442	chr1	50655442	PTRH2	ENST00000409433	chr1	50655442	YCDS-CDS	0	0	1	chr1	In-frame
FAF1-CHIA	chr1	50655442	chr1	111314540	CHIA	ENST00000343320	chr1	111314540	NCD5-CDS-10X	0	0	1	chr1	Out-of-frame
FAF1-TTC39A	chr1	50655442	chr1	51296170	TTC39A	ENST00000262675	chr1	51296170	YCDS-CDS	0	0	1	chr2	In-frame
FAF1-TTC39A	chr1	50655442	chr1	50655442	TTC39A	ENST00000371747	chr1</							

FAM168A-RAB6A	chr11	73720899	-	chr11	73720899	-	chr11	73720899	-	chr11	73720899	-	N5UTR-CDS	0	0	1	1er1	5UTR-CDS						
FAM168A-P4H43	chr11	73597923	-	chr11	74289130	-	FAM168A	ENST00000064778	-	chr11	73597923	-	F4H43	ENST000000331597	-	chr11	74289130	-	N5UTR-CDS	0	0	1	1er1	5UTR-CDS
FAM168A-SN23	chr11	73597923	-	chr11	74289130	-	FAM168A	ENST00000064778	-	chr11	73597923	-	SN23	ENST00000047884	-	chr11	74289130	-	N5UTR-CDS	0	0	1	1er1	5UTR-CDS
FAM168A-PTCRA	chr11	73597923	-	chr11	42325027	-	FAM168A	ENST00000064778	-	chr11	73597923	-	PTCRA	ENST000000304672	-	chr11	42325027	-	N5UTR-CDS-1X	0	0	1	1er1	5UTR-CDS
FAM168B-ANKRD42	chr2	83224855	-	chr2	83224855	-	FAM168B	ENST00000038915	-	chr2	83224855	-	ANKRD42	ENST000000260047	-	chr2	83224855	-	Y-CDS-CDS	0	0	1	1er1	In-frame
FAM169A-ANKRD31	chr5	74834426	-	chr5	75068664	-	FAM169A	ENST00000038915	-	chr5	74834426	-	ANKRD31	ENST00000274361	-	chr5	75068664	-	Y-CDS-CDS	0	0	1	1er3	In-frame
FAM171A1-ANKRD21	chr10	15370956	-	chr10	27029356	-	FAM171A1	ENST00000378116	-	chr10	15370956	-	ANKRD21	ENST00000376087	-	chr10	27029356	-	N-CDS-CDS	0	0	1	1er1	Out-of-frame
FAM171B-KYNU	chr2	18669411	+	chr2	142885349	+	FAM171B	ENST00000304998	-	chr2	18669411	+	KYNU	ENST000000264170	-	chr2	142885349	+	N-CDS-SUTR	0	0	1	1er1	CDS-SUTR
FAM172A-FHIT	chr5	93958777	-	chr5	93958777	-	FAM172A	ENST00000399665	-	chr5	93958777	-	FHIT	ENST00000406708	-	chr5	93958777	-	N-CDS-SUTR-1X	0	0	1	1er1	In-frame
FAM172A-FHIT	chr5	93958777	-	chr5	93958777	-	FAM172A	ENST00000399665	-	chr5	93958777	-	FHIT	ENST00000478844	-	chr5	93958777	-	Y-CDS-CDS	0	0	1	1er1	In-frame
FAM172A-FHIT	chr5	93958777	-	chr5	93958777	-	FAM172A	ENST00000399665	-	chr5	93958777	-	FHIT	ENST00000492990	-	chr5	93958777	-	Y-CDS-CDS	0	0	1	1er1	In-frame
FAM172A-PRR16	chr5	93958777	-	chr5	120685954	-	FAM172A	ENST00000509163	-	chr5	93958777	-	PRR16	ENST00000379551	-	chr5	120685954	-	Y-CDS-CDS	0	0	1	1er1	In-frame
FAM172A-MCTP1	chr5	94050731	-	chr5	95017484	-	FAM172A	ENST00000399665	-	chr5	94050731	-	MCTP1	ENST00000312216	-	chr5	95017484	-	Y-CDS-CDS	0	0	1	1er1	In-frame
FAM172A-ERAP2	chr5	94050731	-	chr5	96915688	-	FAM172A	ENST00000399665	-	chr5	94050731	-	ERAP2	ENST00000379904	-	chr5	96915688	-	N-CDS-CDS-7X	0	0	1	1er1	Out-of-frame
FAM174B-LRRC49	chr15	92655316	-	chr15	71006379	-	FAM174B	ENST00000327355	-	chr15	92655316	-	LRRC49	ENST00000260382	-	chr15	71006379	-	Y-CDS-CDS	0	0	1	1er2	In-frame
FAM174B-PHF20	chr15	92655316	-	chr15	92655316	-	FAM174B	ENST00000327355	-	chr15	92655316	-	PHF20	ENST00000339899	-	chr15	92655316	-	N-CDS-CDS-3X	0	0	1	1er1	In-frame
FAM177A1-AP451	chr14	35046828	-	chr14	31080573	-	FAM177A1	ENST00000396472	-	chr14	35046828	-	AP451	ENST00000542754	-	chr14	31080573	-	Y-CDS-CDS	0	0	1	1er1	Out-of-frame
FAM177A1-PSMA6	chr14	35046828	-	chr14	35317249	-	FAM177A1	ENST00000396472	-	chr14	35046828	-	PSMA6	ENST00000556506	-	chr14	35317249	-	Y-CDS-CDS	0	0	1	1er1	Out-of-frame
FAM177A1-PSMA6	chr14	35046828	-	chr14	35317249	-	FAM177A1	ENST00000396472	-	chr14	35046828	-	PSMA6	ENST00000261479	-	chr14	35317249	-	N-CDS-CDS-1X	0	0	1	1er1	Out-of-frame
FAM177A1-AP451	chr14	35046828	-	chr14	31080573	-	FAM177A1	ENST00000382406	-	chr14	35046828	-	AP451	ENST00000542754	-	chr14	31080573	-	Y-CDS-CDS	0	0	1	1er1	Out-of-frame
FAM177A1-PSMA6	chr14	35046828	-	chr14	35317249	-	FAM177A1	ENST00000382406	-	chr14	35046828	-	PSMA6	ENST00000556506	-	chr14	35317249	-	Y-CDS-CDS	0	0	1	1er1	Out-of-frame
FAM177A1-PSMA6	chr14	35046828	-	chr14	35317249	-	FAM177A1	ENST00000382406	-	chr14	35046828	-	PSMA6	ENST00000261479	-	chr14	35317249	-	N-CDS-CDS-1X	0	0	1	1er1	Out-of-frame
FAM177A1-AP451	chr14	35046828	-	chr14	31080573	-	FAM177A1	ENST00000280987	-	chr14	35046828	-	AP451	ENST00000542754	-	chr14	31080573	-	Y-CDS-CDS	0	0	1	1er1	Out-of-frame
FAM177A1-PSMA6	chr14	35046828	-	chr14	35317249	-	FAM177A1	ENST00000280987	-	chr14	35046828	-	PSMA6	ENST00000556506	-	chr14	35317249	-	Y-CDS-CDS	0	0	1	1er1	Out-of-frame
FAM177A1-PSMA6	chr14	35046828	-	chr14	35317249	-	FAM177A1	ENST00000280987	-	chr14	35046828	-	PSMA6	ENST00000261479	-	chr14	35317249	-	N-CDS-CDS-1X	0	0	1	1er1	Out-of-frame
FAM177A1-KIAA0391	chr14	35053451	-	chr14	35180670	-	FAM177A1	ENST00000280987	-	chr14	35053451	-	KIAA0391	ENST00000250377	-	chr14	35180670	-	Y-CDS-CDS	0	0	1	1er1	Out-of-frame
FAM177A1-IQSEC3	chr14	35077216	-	chr12	161926	-	FAM177A1	ENST00000280987	-	chr14	35077216	-	IQSEC3	ENST00000382841	-	chr12	161926	-	Y-CDS-CDS	0	0	1	1er1	Out-of-frame
FAM179B-STYX	chr14	44964467	-	chr14	52744852	-	FAM179B	ENST00000361462	-	chr14	44964467	-	STYX	ENST00000354586	-	chr14	52744852	-	Y-CDS-CDS	0	0	1	1er2	In-frame
FAM180A-AHCYL2	chr7	13573709	-	chr7	12937938	-	FAM180A	ENST00000338588	-	chr7	13573709	-	AHCYL2	ENST00000325006	-	chr7	12937938	-	Y-CDS-CDS	0	0	1	1er1	In-frame
FAM180A-CANB2	chr10	18498355	-	chr10	18498355	-	FAM180A	ENST0000027632	-	chr10	18498355	-	CANB2	ENST00000377328	-	chr10	18498355	-	N-CDS-CDS	0	0	1	1er2	Out-of-frame
FAM180A-CANB2	chr10	18498355	-	chr10	18498355	-	FAM180A	ENST0000027632	-	chr10	18498355	-	CANB2	ENST00000377328	-	chr10	18498355	-	N-CDS-CDS	0	0	1	1er2	Out-of-frame
FAM188B-C7orf10	chr7	30771556	-	chr7	40749434	-	FAM188B	ENST00000265299	-	chr7	30771556	-	C7orf10	ENST00000335693	-	chr7	40749434	-	Y-CDS-CDS	0	0	1	1er1	In-frame
FAM189A1-GABRG3	chr15	29196430	-	chr15	29196430	-	FAM189A1	ENST00000261275	-	chr15	29196430	-	GABRG3	ENST00000333743	-	chr15	29196430	-	Y-CDS-SUTR	0	0	1	1er1	In-frame
FAM189A1-GABRG3	chr15	29252368	-	chr15	29252368	-	FAM189A1	ENST00000261275	-	chr15	29252368	-	GABRG3	ENST00000333743	-	chr15	29252368	-	Y-CDS-SUTR	0	0	1	1er1	In-frame
FAM192A-CE52	chr16	66938037	+	chr16	66938037	+	FAM192A	ENST00000567439	-	chr16	66938037	+	CE52	ENST00000317091	-	chr16	66938037	+	Y-CDS-CDS	0	0	1	1er1	In-frame
FAM192A-CE52	chr16	66938037	+	chr16	66938037	+	FAM192A	ENST00000567439	-	chr16	66938037	+	CE52	ENST00000317091	-	chr16	66938037	+	Y-CDS-CDS	0	0	1	1er1	In-frame
FAM192A-C16orf62	chr16	57185821	-	chr16	19651976	-	FAM192A	ENST00000309137	-	chr16	57185821	-	C16orf62	ENST00000251143	-	chr16	19651976	-	N5UTR-CDS	0	0	1	1er1	SUTR-CDS
FAM192A-CDC102	chr16	57185821	-	chr16	57185821	-	FAM192A	ENST00000309137	-	chr16	57185821	-	CDC102	ENST00000258214	-	chr16	57185821	-	N5UTR-CDS-3X	0	0	1	1er1	Out-of-frame
FAM193A-TBC1D10C	chr4	2626577	-	chr11	67404191	-	FAM193A	ENST00000324666	-	chr4	2626577	-	TBC1D10C	ENST0000012390	-	chr11	67404191	-	N5UTR-SUTR	0	0	1	1er2	SUTR-SUTR
FAM193A-PPP2R2C	chr4	2631169	-	chr4	6333731	-	FAM193A	ENST00000324666	-	chr4	2631169	-	PPP2R2C	ENST00000335585	-	chr4	6333731	-	N-CDS-CDS	0	0	1	1er1	Out-of-frame
FAM193A-ZFYVE28	chr4	2632828	-	chr4	2632828	-	FAM193A	ENST00000324666	-	chr4	2632828	-	ZFYVE28	ENST00000290974	-	chr4	2632828	-	Y-CDS-CDS	0	0	1	1er4	In-frame
FAM193A-NMU	chr4	2632828	-	chr4	55630460	-	FAM193A	ENST00000324666	-	chr4	2632828	-	NMU	ENST00000264218	-	chr4	55630460	-	N-CDS-CDS-19X	0	0	1	1er1	Out-of-frame
FAM193A-NMU	chr4	2632828	-	chr4	55630460	-	FAM193A	ENST00000324666	-	chr4	2632828	-	NMU	ENST00000553095	-	chr4	55630460	-	N-CDS-CDS-19X	0	0	1	1er1	Out-of-frame
FAM193A-TNIP2	chr4	2747945	-	chr4	55630460	-	FAM193A	ENST00000324666	-	chr4	2747945	-	TNIP2	ENST00000315423	-	chr4	55630460	-	N-CDS-CDS-10X	0	0	1	1er1	Out-of-frame
FAM193B-SGCD	chr5	17753128	-	chr5	15650801	-	FAM193B	ENST00000506955	-	chr5	17753128	-	SGCD	ENST00000337851	-	chr5	15650801	-	Y3UTR-CDS-1X	0	0	1	1er1	In-frame
FAM192A-TMBIM4	chr12	6175322	-	chr12	6175322	-	FAM192A	ENST00000416284	-	chr12	6175322	-	TMBIM4	ENST00000539652	-	chr12	6175322	-	N-CDS-CDS-5X	0	0	1	1er1	Out-of-frame
FAM192A-KCNMB4	chr12	62023652	-	chr12	70430485	-	FAM192A	ENST00000549379	-	chr12	62023652	-	KCNMB4	ENST00000258111	-	chr12	70430485	-	N5UTR-CDS-3X	0	0	1	1er1	5UTR-CDS
FAM192A-COPEP	chr12	62023652	-	chr12	73069385	-	FAM192A	ENST00000549379	-	chr12	62023652	-	COPEP	ENST0000037056	-	chr12	73069385	-	N5UTR-CDS-7X	0	0	1	1er1	5UTR-CDS
FAM192A-KR11	chr12	62191259	-	chr12	75508446	-	FAM192A	ENST00000416284	-	chr12	62191259	-	KR11	ENST00000292214	-	chr12	75508446	-	N5UTR-CDS-7X	0	0	1	1er1	5UTR-CDS
FAM192A-KZF4	chr12	62191259	-	chr12	56025054	-	FAM192A	ENST00000416284	-	chr12	62191259	-	KZF4	ENST00000260232	-	chr12	56025054	-	N5UTR-CDS-7X	0	0	1	1er1	5UTR-CDS
FAM194A-UBA3	chr3	68880730	-	chr3	69056283	-	FAM194A	ENST00000295569	-	chr3	68880730	-	UBA3	ENST00000349511	-	chr3	69056283	-	N-CDS-CDS	0	0	1	1er2	Out-of-frame
FAM194A-TMF1	chr3	68880730	-	chr3	69048562	-	FAM194A	ENST00000295569	-	chr3	68880730	-	TMF1	ENST00000398559	-	chr3	69048562	-	Y-CDS-CDS	0	0	1	1er1	In-frame
FAM194A-LMOD3	chr3	69122409	-	chr3	69122409	-	FAM194A	ENST00000295569	-	chr3	69122409	-	LMOD3	ENST00000420581	-	chr3	69122409	-	Y-CDS-SUTR-1X	0	0	1	1er1	CDS-SUTR
FAM194A-CACNA2D3	chr3	69322240	-	chr3	54752599	-	FAM194A	ENST00000295569	-	chr3	69322240	-	CACNA2D3	ENST00000288197	-	chr3	54752599	-	N5UTR					

FOXJ3-ZMYND12	chr1	42278348	chr1	42278348	FOXJ3	ENST00000361346	chr1	42278348	ZMYND12	ENST00000327565	chr1	42436543	YCCDS-CDS	0	0	1	chr3	In-frame
FOXJ3-ELAVL4	chr1	42311050	chr1	42311050	FOXJ3	ENST00000361346	chr1	42311050	ELAVL4	ENST00000357083	chr1	50177089	N.CDS-CDS.2X	0	1	1	chr3	Out-of-frame
FOXJ3-ZNF612	chr1	42310560	chr1	42310560	FOXJ3	ENST00000361346	chr1	42310560	ZNF612	ENST00000357083	chr1	50177089	YCCDS-CDS	0	1	1	chr3	In-frame
FOXJ3-ELAVL4	chr1	42311050	chr1	42311050	FOXJ3	ENST00000325737	chr1	42311050	ELAVL4	ENST00000357083	chr1	50177089	N.CDS-CDS.2X	0	1	1	chr3	Out-of-frame
FOXJ3-EIF4G3	chr1	42335626	chr1	42335626	FOXJ3	ENST00000325737	chr1	42335626	EIF4G3	ENST00000264211	chr1	20842330	N.SUTR-CDS	0	0	1	chr1	SUTR-CDS
FOXK1-SDK1	chr7	46282868	chr7	46282868	FOXK1	ENST00000328914	chr7	46282868	SDK1	ENST00000389531	chr7	38214500	YCCDS-CDS	0	1	0	-	-
FOXK1-ZNF671	chr7	46282868	chr19	57723340	FOXK1	ENST00000328914	chr7	46282868	ZNF671	ENST00000317398	chr19	57723340	N.CDS-CDS	0	0	1	chr2	Out-of-frame
FOXK1-THSD7A	chr7	4741023	chr7	4741023	FOXK1	ENST00000328914	chr7	4741023	THSD7A	ENST00000423059	chr7	11382616	N.CDS-CDS	0	0	1	chr1	Out-of-frame
FOXK2-RNF13	chr17	82520307	chr17	82520307	FOXK2	ENST00000335255	chr17	82520307	RNF13	ENST00000319921	chr17	80287815	N.CDS-CDS	0	0	1	chr1	Out-of-frame
FOXK2-TNFRSF12-TM	chr17	82520307	chr17	7559624	FOXK2	ENST00000335255	chr17	82520307	TNFRSF12	ENST00000293828	chr17	7559624	N.CDS-CDS	0	0	1	chr1	Out-of-frame
FOXK2-QGQFOD3	chr17	82520307	chr17	82409410	FOXK2	ENST00000335255	chr17	82520307	QGQFOD3	ENST00000313056	chr17	82409410	YCCDS-CDS	0	1	1	chr1	In-frame
FOXK2-NARF	chr17	82520307	chr17	82478800	FOXK2	ENST00000335255	chr17	82520307	NARF	ENST00000309794	chr17	82478800	N.CDS-CDS	0	0	1	chr1	Out-of-frame
FOXK2-AMBR1	chr17	82520307	chr11	46397943	FOXK2	ENST00000335255	chr17	82520307	AMBR1	ENST00000314845	chr11	46397943	N.CDS-CDS	0	1	1	chr1	Out-of-frame
FOXK2-MADCAM1	chr17	82520307	chr10	5016699	FOXK2	ENST00000335255	chr17	82520307	MADCAM1	ENST00000215637	chr10	5016699	N.CDS-CDS	0	0	1	chr1	Out-of-frame
FOXK2-HEXDC	chr17	82563548	chr17	82424394	FOXK2	ENST00000335255	chr17	82563548	HEXDC	ENST00000327949	chr17	82424394	N.CDS-CDS	0	0	1	chr2	Out-of-frame
FOXK2-GNG7	chr17	82563548	chr19	2520725	FOXK2	ENST00000335255	chr17	82563548	GNG7	ENST00000382159	chr19	2520725	YCCDS-SUTR.1X	0	0	1	chr1	Out-of-frame
FOXK2-MSA12	chr11	60493713	chr11	60493713	FOXK2	ENST00000335255	chr11	60493713	MSA12	ENST00000169133	chr11	60493713	N.CDS-SUTR	0	0	1	chr1	CDS-SUTR
FOXK2-APOBEC1	chr17	82563548	chr12	7652835	FOXK2	ENST00000335255	chr17	82563548	APOBEC1	ENST00000229304	chr12	7652835	YCCDS-CDS	0	1	1	chr3	In-frame
FOXK2-ABCA5	chr17	82584188	chr17	69277842	FOXK2	ENST00000335255	chr17	82584188	ABCA5	ENST00000392676	chr17	69277842	YCCDS-CDS	0	1	1	chr1	In-frame
FOXK2-NARF	chr17	82584188	chr17	82483716	FOXK2	ENST00000335255	chr17	82584188	NARF	ENST00000309794	chr17	82483716	YCCDS-CDS	0	1	1	chr1	In-frame
FOXK2-SKAP1	chr17	82587272	chr17	48396785	FOXK2	ENST00000335255	chr17	82587272	SKAP1	ENST00000584924	chr17	48396785	YCCDS-CDS	0	1	1	chr1	In-frame
FOXK2-PITPN1C	chr17	82587272	chr17	67669508	FOXK2	ENST00000335255	chr17	82587272	PITPN1C	ENST00000299954	chr17	67669508	N.CDS-CDS.22X	0	0	1	chr1	Out-of-frame
FOXK1-ZBR	chr17	82587272	chr17	1083627	FOXK2	ENST00000335255	chr17	82587272	ZBR	ENST00000294107	chr17	1083627	N.CDS-CDS.22X	0	1	1	chr1	Out-of-frame
FOXK1-DCP1B	chr12	28632983	chr12	28632983	FOXK1	ENST00000342628	chr12	28632983	DCP1B	ENST00000280665	chr12	1953288	YCCDS-CDS	0	1	0	-	-
FOXK2-PLB1	chr2	48314814	chr2	28640927	FOXK2	ENST00000340553	chr2	48314814	PLB1	ENST00000327757	chr2	28640927	N.SUTR-CDS	0	0	1	chr1	SUTR-CDS
FOXK2-SPTB1	chr2	48346751	chr2	54622300	FOXK2	ENST00000340553	chr2	48346751	SPTB1	ENST00000333896	chr2	54622300	YCCDS-CDS	0	0	1	chr1	In-frame
FOXK3-SLC25A21	chr14	89190384	chr14	36875004	FOXK3	ENST00000261302	chr14	89190384	SLC25A21	ENST00000331299	chr14	36875004	YCCDS-CDS	0	0	1	chr1	In-frame
FOXK3-KCNQ1	chr14	89280950	chr14	2768844	FOXK3	ENST00000345097	chr14	89280950	KCNQ1	ENST00000155840	chr14	2768844	N.CDS-CDS	0	1	1	chr1	Out-of-frame
FOXK3-CDKL1	chr14	89411934	chr14	50330181	FOXK3	ENST00000261302	chr14	89411934	CDKL1	ENST00000395334	chr14	50330181	YCCDS-CDS	0	1	1	chr1	In-frame
FOXK1-PDGFRB	chr13	40665583	chr13	150120123	FOXK1	ENST00000337951	chr13	40665583	PDGFRB	ENST00000365578	chr13	150120123	N.CDS-CDS	0	1	1	chr1	In-frame
FOXK1-ELF1	chr13	40665583	chr13	40959016	FOXK1	ENST00000337951	chr13	40665583	ELF1	ENST00000239882	chr13	40959016	YCCDS-CDS	0	1	1	chr1	In-frame
FOXK1-WDFY2	chr13	40665583	chr13	51660596	FOXK1	ENST00000337951	chr13	40665583	WDFY2	ENST00000298125	chr13	51660596	N.CDS-CDS	0	0	1	chr4	Out-of-frame
FOXK1-MRPS31	chr13	40665583	chr13	40729601	FOXK1	ENST00000337951	chr13	40665583	MRPS31	ENST00000323563	chr13	40729601	N.CDS-CDS	0	0	1	chr1	Out-of-frame
FOXK3-GMDS	chr6	108561829	chr6	1960966	FOXK3	ENST00000343882	chr6	108561829	GMDS	ENST00000380815	chr6	1960966	YCCDS-CDS	0	1	0	-	-
FOXK3-CHD7	chr6	108561829	chr6	60741259	FOXK3	ENST00000343882	chr6	108561829	CHD7	ENST00000423902	chr6	60741259	YCCDS-SUTR.4X	0	0	1	chr2	CDS-SUTR
FOXK3-FHFR3A	chr6	108561829	chr7	95247473	FOXK3	ENST00000343882	chr6	108561829	FHFR3A	ENST00000289495	chr7	95247473	N.SUTR-SUTR.1X	0	0	1	chr1	SUTR-CDS
FOXK1-UGT1T	chr3	70987994	chr2	128183675	FOXK1	ENST00000484350	chr3	70987994	UGT1T	ENST00000259253	chr2	128183675	N.CDS-CDS.14X	0	0	1	chr1	Out-of-frame
FOXK1-COQ10B	chr3	71041328	chr2	194740070	FOXK1	ENST00000318789	chr3	71041328	COQ10B	ENST00000263960	chr2	194740070	N.CDS-CDS	0	0	1	chr1	Out-of-frame
FOXK1-SHRF2	chr3	71041328	chr5	146000058	FOXK1	ENST00000318789	chr3	71041328	SHRF2	ENST00000359120	chr5	146000058	N.CDS-CDS	0	1	1	chr4	Out-of-frame
FOXK1-ACTN4	chr3	71198202	chr3	38726957	FOXK1	ENST00000498215	chr3	71198202	ACTN4	ENST00000256999	chr3	38726957	YCCDS-CDS	0	1	0	-	-
FOXK1-ARMC8	chr3	71198202	chr3	138209817	FOXK1	ENST00000498215	chr3	71198202	ARMC8	ENST00000469044	chr3	138209817	YCCDS-CDS	0	1	1	chr2	In-frame
FOXK1-ACTN4	chr3	71198202	chr19	38726957	FOXK1	ENST00000498215	chr3	71198202	ACTN4	ENST00000256999	chr19	38726957	YCCDS-CDS	0	1	1	chr2	In-frame
FOXK1-ARMC8	chr3	71198202	chr3	138209817	FOXK1	ENST00000498215	chr3	71198202	ARMC8	ENST00000469044	chr3	138209817	YCCDS-CDS	0	1	1	chr2	In-frame
FOXK1-ARMC8	chr3	71198202	chr3	138209817	FOXK1	ENST00000498215	chr3	71198202	ARMC8	ENST00000469044	chr3	138209817	YCCDS-CDS	0	1	1	chr2	In-frame
FOXK1-HRH1	chr3	71198202	chr3	11259003	FOXK1	ENST00000318779	chr3	71198202	HRH1	ENST00000397056	chr3	11259003	N.CDS-SUTR	0	0	1	chr1	CDS-SUTR
FOXK1-Csor15	chr3	71299820	chr3	41907736	FOXK1	ENST00000318779	chr3	71299820	Csor15	ENST00000381647	chr3	41907736	N.SUTR-CDS	0	0	1	chr1	SUTR-CDS
FOXK1-RUFY1	chr3	71299820	chr5	179693976	FOXK1	ENST00000318779	chr3	71299820	RUFY1	ENST00000319449	chr5	179693976	N.SUTR-CDS	0	1	1	chr2	SUTR-CDS
FOXK1-FHIT	chr3	71299820	chr3	59922414	FOXK1	ENST00000318779	chr3	71299820	FHIT	ENST00000376798	chr3	59922414	N.SUTR-SUTR.1X	0	0	1	chr1	SUTR-CDS
FOXK1-ACTR3B	chr3	71259150	chr3	152585126	FOXK1	ENST00000318779	chr3	71259150	ACTR3B	ENST00000256001	chr3	152585126	N.CDS-SUTR	0	0	1	chr1	SUTR-CDS
FOXK1-UBA3	chr3	71493426	chr3	69063503	FOXK1	ENST00000318779	chr3	71493426	UBA3	ENST00000349511	chr3	69063503	N.SUTR-CDS	0	0	1	chr2	SUTR-CDS
FOXK1-EIF4E3	chr3	71493426	chr3	71710484	FOXK1	ENST00000318779	chr3	71493426	EIF4E3	ENST00000295612	chr3	71710484	N.SUTR-SUTR.1X	0	0	1	chr4	SUTR-CDS
FOXK1-EIF4E3	chr3	71493426	chr3	71728623	FOXK1	ENST00000318779	chr3	71493426	EIF4E3	ENST00000295612	chr3	71728623	N.SUTR-SUTR.1X	0	0	2	chr1	SUTR-SUTR
FOXK1-PXDNL	chr3	71493426	chr3	51499770	FOXK1	ENST00000318779	chr3	71493426	PXDNL	ENST00000356297	chr3	51499770	N.SUTR-SUTR.1X	0	0	1	chr1	SUTR-CDS
FOXK1-EPMD2	chr7	114163088	chr6	145502575	FOXK2	ENST00000440349	chr7	114163088	EPMD2	ENST00000405221	chr6	145502575	N.SUTR-CDS	0	0	1	chr2	SUTR-CDS
FOXK1-FHFR3A	chr6	114163088	chr7	240995447	FOXK1	ENST00000440349	chr6	114163088	FHFR3A	ENST00000371729	chr7	240995447	N.SUTR-CDS.3X	0	0	1	chr1	SUTR-CDS
FOXK1-DNAH8	chr6	41546867	chr6	38982346	FOXK1	ENST00000370557	chr6	41546867	DNAH8	ENST00000327475	chr6	38982346	N.CDS-SUTR	0	0	1	chr1	SUTR-CDS
FOXK1-UBR2	chr6	41587977	chr6	42605721	FOXK1	ENST00000307972	chr6	41587977	UBR2	ENST00000372899	chr6	42605721	YCCDS-CDS	0	1	0	-	-
FOXK1-IFT27	chr22	36501241	chr22	36767862	FOXK1	ENST00000307972	chr22	36501241	IFT27	ENST00000340630	chr22	36767862	YCCDS-ND	0	1	1	chr1	In-frame
FOXK1-IFT27	chr22	36501241	chr22	36767862	FOXK1	ENST00000307972	chr22	36501241	IFT27	ENST00000340630	chr22	36767862	N.CDS-CDS	0	1	1	chr1	In-frame
FOXK1-IFT27	chr22	36501241	chr22	36767862	FOXK1	ENST00000307972	chr22	36501241	IFT27	ENST00000340630	chr22	36767862	N.CDS-CDS	0	1	1	chr1	In-frame
FOXK1-IFT27	chr22	36501241	chr22	36767862	FOXK1	ENST00000307972	chr22	36501241	IFT27	ENST00000340630	chr22	36767862	N.CDS-CDS	0	1	1	chr1	In-frame
FOXK1-IFT27	chr22	36501241	chr22	36767862	FOXK1	ENST00000307972	chr22	36501241	IFT27	ENST00000340630	chr22	36767862	N.CDS-CDS	0	1	1	chr1	In-frame
FOXK1-IFT27	chr22	36501241	chr22	36767862	FOXK1	ENST00000307972	chr22	36501241	IFT27	ENST00000340630	chr22	36767862	N.CDS-CDS	0	1	1	chr1	In-frame
FOXK1-IFT27	chr22	36501241	chr22	36767862	FOXK1	ENST00000307972	chr22	365012										

GATAD2B-NUP210L	chr1	153922733	-	chr7	126446372	-	GATAD2B	ENST00000368655	chr1	153922733	-	GRM8	ENST00000339582	chr7	126446372	-	N5UTR-CDS	0	0	1	1	ter1	5UTR-CDS
GATAD2B-NUP210L	chr1	153922733	-	chr1	153993089	-	GATAD2B	ENST00000368655	chr1	153922733	-	NUP210L	ENST00000271854	chr7	153993089	-	N5UTR-CDS	0	0	1	1	ter1	5UTR-CDS
GATAD2B-ASH1L	chr1	153922733	-	chr1	154772383	-	GATAD2B	ENST00000368655	chr1	153922733	-	KRC3	ENST00000368655	chr1	154772383	-	N5UTR-CDS	0	0	2	1	ter1	5UTR-CDS
GATAD2B-ERH3	chr1	153922733	-	chr1	155380116	-	GATAD2B	ENST00000368655	chr1	153922733	-	ASH1L	ENST00000368654	chr1	155380116	-	N5UTR-CDS	0	0	1	1	ter2	5UTR-CDS
GATAD2B-NUP210L	chr1	153922733	-	chr1	154010121	-	GATAD2B	ENST00000368655	chr1	153922733	-	ERH3	ENST00000372257	chr1	154010121	-	N5UTR-CDS	0	0	0	1	ter1	5UTR-CDS
GATAD2B-FAHD2B	chr1	153922733	-	chr2	97091712	-	GATAD2B	ENST00000368655	chr1	153922733	-	NUP210L	ENST00000271854	chr1	154010121	-	N5UTR-CDS	0	0	0	1	ter1	5UTR-CDS
GATAD2B-LAMC3	chr1	153922733	-	chr9	131061035	-	GATAD2B	ENST00000368655	chr1	153922733	-	FAHD2B	ENST00000272610	chr2	97091712	-	N5UTR-SUTR	0	0	0	1	ter1	5UTR-SUTR
GATAD2B-CHT1C2	chr1	153922733	-	chr1	153949384	-	GATAD2B	ENST00000368655	chr1	153922733	-	LAMC3	ENST00000361069	chr9	131061035	-	N5UTR-CDS	0	0	0	1	ter1	5UTR-CDS
GATAD2B-LEL1P1	chr1	153922733	-	chr1	153204687	-	GATAD2B	ENST00000368655	chr1	153922733	-	CHT1C2	ENST00000303569	chr1	153949384	-	N5UTR-SUTR	0	0	0	1	ter1	5UTR-SUTR
GATAD2B-ACSS3	chr1	153922733	-	chr12	81199341	-	GATAD2B	ENST00000368655	chr1	153922733	-	LEL1	ENST00000368747	chr1	153204687	-	N5UTR-CDS	0	0	0	1	ter1	5UTR-SUTR
GATS-TSC22D4	chr7	10047600	-	chr7	10047600	-	GATS	ENST00000328453	chr7	100271838	-	ACSS3	ENST00000261206	chr12	81199341	-	N5UTR-CDS	0	0	0	1	ter1	In-frame
GBA2-ATP6V1C1	chr9	35748346	-	chr8	10304870	-	GBA2	ENST00000378094	chr9	35748346	-	TSC22D4	ENST00000300181	chr7	10047600	-	YCD5-CDS	0	0	0	1	ter1	In-frame
GBE1-ZNF385D	chr3	81577925	-	chr3	21437203	-	GBE1	ENST00000429644	chr3	81577925	-	ATP6V1C1	ENST00000395862	chr8	10304870	-	YCD5-CDS	0	0	0	1	ter1	In-frame
GBE1-FAM19A1	chr3	81593908	-	chr3	68417280	-	GBE1	ENST00000429644	chr3	81593908	-	ZNF385D	ENST00000281523	chr3	21437203	-	YCD5-CDS	0	0	0	1	ter1	In-frame
GBE1-ZNF569	chr3	81764464	-	chr19	37444964	-	GBE1	ENST00000429644	chr3	81764464	-	FAM19A1	ENST00000478136	chr3	68417280	-	YCD5-CDS	0	0	0	1	ter1	In-frame
GBE1-TRPC6	chr10	102245781	-	chr10	101504798	-	GBE1	ENST00000369893	chr10	102245781	-	ZNF569	ENST00000316950	chr19	37444964	-	NCD5-SUTR-1X	0	0	0	1	ter2	CDS-SUTR
GBF1-CTDSP2	chr10	102245781	-	chr12	57824319	-	GBF1	ENST00000369893	chr10	102245781	-	TRPC6	ENST00000344327	chr10	101504798	-	N5UTR-CDS	0	0	0	1	ter1	5UTR-CDS
GBF1-SFTPD	chr10	102245781	-	chr10	79938228	-	GBF1	ENST00000369893	chr10	102245781	-	CTDSP2	ENST00000398073	chr12	57824319	-	N5UTR-CDS-2X	0	0	0	1	ter1	5UTR-CDS
GBF1-NTSC2	chr10	102260116	-	chr10	103106706	-	GBF1	ENST00000369893	chr10	102260116	-	SFTPD	ENST00000372292	chr10	79938228	-	N5UTR-CDS	0	0	0	1	ter1	5UTR-CDS
GBF1-UBE2R2	chr10	102344182	-	chr9	33868881	-	GBF1	ENST00000369893	chr10	102344182	-	NTSC2	ENST00000343289	chr10	103106706	-	YCD5-CDS	0	0	0	1	ter1	In-frame
GBF1-WBP1L	chr10	102344182	-	chr10	102809893	-	GBF1	ENST00000369893	chr10	102344182	-	UBE2R2	ENST00000263228	chr9	33868881	-	NCD5-CDS-5X	0	0	0	1	ter1	Out-of-frame
GBF1-NOLC1	chr10	102370860	-	chr10	102370860	-	GBF1	ENST00000369893	chr10	102370860	-	WBP1L	ENST00000369898	chr10	102809893	-	YCD5-CDS	0	0	0	1	ter1	Out-of-frame
GC-DSP	chr4	71741696	-	chr6	7575295	-	GC	ENST00000273951	chr4	71741696	-	NOLC1	ENST00000370007	chr10	102159193	-	NCD5-CDS-67X	0	0	0	1	ter1	3UTR-CDS-1X
GC-CPE	chr4	71763408	-	chr4	165467688	-	GC	ENST00000273951	chr4	71763408	-	DSP	ENST00000379802	chr6	7575295	-	NCD5-CDS-2X	0	0	0	1	ter1	Out-of-frame
GCN1L1-PLA2G1B	chr12	120326200	-	chr12	120326200	-	GCN1L1	ENST00000300648	chr12	120326200	-	CPE	ENST00000402744	chr4	165467688	-	NCD5-CDS-2X	0	0	0	1	ter1	In-frame
GCN1L1-PLA2G1B	chr12	120326200	-	chr12	120326200	-	GCN1L1	ENST00000300648	chr12	120326200	-	PLA2G1B	ENST00000434243	chr12	120326200	-	YCD5-CDS	0	0	0	1	ter1	In-frame
GCN2-OSM	chr6	10529836	-	chr6	30265144	-	GCN2	ENST00000379597	chr6	10529836	-	PLA2G1B	ENST00000308366	chr12	120326200	-	YCD5-CDS	0	0	0	1	ter1	In-frame
GCN2-HSP90B1	chr15	59618727	-	chr12	103943150	-	GCN3	ENST00000369065	chr15	59618727	-	OSM	ENST00000215781	chr6	30265144	-	YCD5-CDS	0	0	0	1	ter3	In-frame
GDA-FAH6B	chr9	72140682	-	chr9	136717577	-	GDA	ENST00000358399	chr9	72140682	-	HSP90B1	ENST00000299787	chr12	103943150	-	NCD5-CDS-2X	0	0	0	1	ter1	Out-of-frame
GDA-SIAE	chr10	124673881	-	chr11	124673881	-	GDA	ENST00000358399	chr10	124673881	-	FAH6B	ENST00000368655	chr9	72140682	-	N5UTR-CDS	0	0	0	1	ter1	3UTR-SUTR
GDAP2-ADORA3	chr1	117878009	-	chr1	117878009	-	GDAP2	ENST00000369442	chr1	117878009	-	SIAE	ENST00000263593	chr11	124673881	-	N3UTR-SUTR-37D	0	0	0	1	ter4	3UTR-SUTR
GDAP2-SLAIN1	chr1	117929448	-	chr13	77760828	-	GDAP2	ENST00000369442	chr1	117929448	-	ADORA3	ENST00000241356	chr1	117878009	-	N5UTR-CDS-28X	0	0	0	1	ter4	Out-of-frame
GDE1-FLYWCH2	chr16	19510839	-	chr16	2895220	-	GDE1	ENST00000353258	chr16	19510839	-	SLAIN1	ENST00000267219	chr13	77760828	-	N5UTR-CDS-28X	0	0	0	1	ter4	5UTR-CDS
GDE1-TIAL1	chr16	19510839	-	chr16	119688248	-	GDE1	ENST00000353258	chr16	19510839	-	FLYWCH2	ENST00000293981	chr16	2895220	-	NCD5-SUTR-7X	0	0	0	1	ter1	In-frame
GEM1-HOXDC3	chr12	35498833	-	chr12	54011089	-	GEM1	ENST00000257665	chr12	35498833	-	TIAL1	ENST00000369093	chr16	119688248	-	YCD5-CDS	0	0	0	1	ter1	CDS-SUTR
GD12-IL2RA	chr10	5773842	-	chr10	6012896	-	GD12	ENST00000380181	chr10	5773842	-	HOXC8	ENST00000403564	chr12	54011089	-	N5UTR-CDS	0	0	0	1	ter1	NA
GD12-CPVL	chr10	5800598	-	chr7	29121071	-	GD12	ENST00000380127	chr10	5773842	-	IL2RA	ENST00000256876	chr10	6012896	-	NCD5-CDS-14X	0	0	0	1	ter2	Out-of-frame
GD12-ZNF526	chr10	5813214	-	chr19	42224215	-	GD12	ENST00000380181	chr10	5813214	-	CPVL	ENST00000265394	chr7	29121071	-	NCD5-SUTR-2X	0	0	0	1	ter4	CDS-SUTR
GDNF-FYB	chr5	37834724	-	chr5	39119634	-	GDNF	ENST00000344622	chr5	37834724	-	ZNF526	ENST00000301215	chr19	42224215	-	YCD5-SUTR-2X	0	0	0	1	ter1	Out-of-frame
GDNF-FYB	chr5	37834724	-	chr5	39119634	-	GDNF	ENST00000344622	chr5	37834724	-	FYB	ENST00000351578	chr5	39119634	-	NCD5-CDS	0	0	0	1	ter3	Out-of-frame
GDPS-SERPINH1	chr11	75477619	-	chr11	75477619	-	GDPS	ENST00000338998	chr11	75477619	-	SERPINH1	ENST00000358171	chr11	75477619	-	NCD5-SUTR	0	0	0	1	ter3	Out-of-frame
GEF2-CTAGE5	chr14	39276934	-	chr14	39276934	-	GEF2	ENST00000306317	chr14	39276934	-	CTAGE5	ENST00000320144	chr14	39276934	-	YCD5-CDS	0	0	0	1	ter1	Out-of-frame
GEM2-CTAGE5	chr14	39132068	-	chr14	39276934	-	GEM2	ENST00000306317	chr14	39132068	-	HEATR2	ENST00000297440	chr14	39276934	-	YCD5-CDS	0	0	0	1	ter1	In-frame
GET4-HEATR2	chr7	887519	-	chr7	754589	-	GET4	ENST00000265857	chr7	887519	-	SMARCA2	ENST00000349721	chr9	2086981	-	NCD5-CDS	0	0	0	1	ter1	Out-of-frame
GF1-SMARCA2	chr3	15864694	-	chr9	2086981	-	GF1	ENST00000264263	chr3	15864694	-	SMARCA2	ENST00000349721	chr9	2086981	-	NCD5-CDS	0	0	0	1	ter1	Out-of-frame
GF1-SMARCA2	chr3	15864694	-	chr9	2086981	-	GF1	ENST00000264263	chr3	15864694	-	SMARCA2	ENST00000349721	chr9	2086981	-	NCD5-CDS	0	0	0	1	ter1	Out-of-frame
GF1-SMARCA2	chr3	15864694	-	chr9	2086981	-	GF1	ENST00000264263	chr3	15864694	-	SMARCA2	ENST00000349721	chr9	2086981	-	NCD5-CDS	0	0	0	1	ter1	Out-of-frame
GF1-ML1	chr3	15869234	-	chr3	15869234	-	GF1	ENST00000379287	chr3	15869234	-	ML1	ENST00000358953	chr3	15869234	-	YCD5-CDS	0	0	0	1	ter1	In-frame
GFOD-EYS	chr6	13486638	-	chr6	13486638	-	GFOD	ENST00000379287	chr6	13486638	-	EYS	ENST00000370628	chr6	13486638	-	YCD5-CDS	0	0	0	1	ter1	In-frame
GFOD1-EYA4	chr6	13486638	-	chr6	13486638	-	GFOD1	ENST00000379287	chr6	13486638	-	EYA4	ENST00000355167	chr6	13486638	-	NCD5-CDS-1X	0	0	0	1	ter3	Out-of-frame
GFOD1-EYA4	chr6	13486638	-	chr6	13486638	-	GFOD1	ENST00000379287	chr6	13486638	-	EYA4	ENST00000430974	chr6	13486638	-	NCD5-CDS-1X	0	0	0	1	ter3	Out-of-frame
GFOD1-EYA4	chr6	13486638	-	chr6	13486638	-	GFOD1	ENST00000379287	chr6	13486638	-	EYA4	ENST00000355286	chr6	13486638	-	NCD5-CDS-1X	0	0	0	1	ter3	Out-of-frame
GFOD1-CYP39A1	chr6	13486638	-	chr6	13486638	-	GFOD1	ENST00000379287	chr6	13486638	-	CYP39A1	ENST00000275016	chr6	13486638	-	NCD5-CDS-1X	0	0	0	1	ter3	Out-of-frame
GFOD2-TRIO	chr16	67719193	-	chr16	67719193	-	GFOD2	ENST00000268797	chr16	67719193	-	TRIO	ENST00000344204	chr16	67719193	-	N5UTR-CDS-2X	0	0	0	1	ter1	5UTR-CDS
GFPT1-NFU1	chr2	69387065	-	chr2	69387065	-	GFPT1	ENST00000357308	chr2	69387065	-	NFU1	ENST00000330698	chr2	69387065	-	NCD5-CDS-3X	0	0	0	1	ter1	Out-of-frame
GFPT1-NFU1	chr2	69387065	-	chr2	69387065	-	GFPT1																

GSK3B-COL8A1	ch3	119923373	-	ch3	99790680	-	COL8A1	ENST00000261037	ch3	99790680	-	YCD5-SUTR	0	0	1	ter1	CDS-SUTR
GSK3B-L5AMP	ch3	119947268	-	ch3	116019640	-	LSAMP	ENST00000336177	ch3	116019640	-	N.CDS-CDS	0	0	1	ter1	Out-of-frame
GSK3B-ATP11B	ch3	120002046	-	ch3	120002046	-	ATP11B	ENST00000296333	ch3	120002046	-	YCD5-CDS	0	1	1	ter1	In-frame
GSK3B-STL1	ch3	120002046	-	ch3	120002046	-	STL1	ENST00000296333	ch3	120002046	-	YCD5-CDS	0	1	1	ter1	In-frame
GSK3B-BEST3	ch3	120002046	-	ch12	69655813	-	BEST3	ENST00000330891	ch12	69655813	-	N.CDS-CDS	0	0	1	ter2	Out-of-frame
GSK3B-RASSF2	ch3	120093347	-	ch20	4801062	-	RASSF2	ENST00000379376	ch20	4801062	-	YCD5-SUTR-1X	0	0	1	ter1	CDS-SUTR
GSK3B-WNK2	ch3	120093347	-	ch9	93308328	-	WNK2	ENST00000297954	ch9	93308328	-	YCD5-CDS	0	0	1	ter1	In-frame
GSN-UTRN1	ch9	121332738	-	ch3	41199505	-	CTNNB1	ENST00000349496	ch3	41199505	-	N.3UTR-SUTR-1X	0	0	1	ter3	NA
GSN-HSPA8	ch9	121332738	-	ch11	123063230	-	HSPA8	ENST00000252624	ch11	123063230	-	N.3UTR-SUTR-1X	0	0	1	ter3	NA
GSN-HLA-DPB1	ch9	121332738	-	ch6	33075983	-	HLA-DPB1	ENST00000418931	ch6	33075983	-	N.3UTR-SUTR-1X	0	0	1	ter3	3UTR-SUTR
GSN-HLA-F	ch9	121332738	-	ch6	29723442	-	HLA-F	ENST00000259951	ch6	29723442	-	N.3UTR-SUTR-17A	0	0	1	ter3	3UTR-SUTR
GSN-TRA2A	ch9	121332738	-	ch7	23531976	-	TRA2A	ENST00000297071	ch7	23531976	-	N.3UTR-SUTR	0	0	1	ter3	3UTR-SUTR
GSN-UVRAG	ch9	121332842	-	ch11	75983387	-	UVRAG	ENST00000356136	ch11	75983387	-	Y.3UTR-CDS-1X	0	0	1	ter4	3UTR-CDS
GSN-AKAP13	ch9	121332842	-	ch15	85578930	-	AKAP13	ENST00000361243	ch15	85578930	-	Y.3UTR-CDS-1X	0	0	1	ter3	3UTR-CDS
GSN-UTRN	ch9	121332842	-	ch6	143444101	-	UTRN	ENST00000421035	ch6	143444101	-	N.3UTR-SUTR	0	0	1	ter3	NA
GSR-CSMD1	ch8	30684088	-	ch8	3029513	-	CSMD1	ENST00000335551	ch8	3029513	-	YCD5-CDS	0	1	1	ter1	In-frame
GSR-CSDM1	ch8	30684088	-	ch8	3029513	-	CSDM1	ENST00000400186	ch8	3029513	-	YCD5-CDS	0	1	1	ter1	In-frame
GSR-CSDM1	ch8	30684088	-	ch8	3029513	-	CSDM1	ENST00000400186	ch8	3029513	-	YCD5-CDS	0	1	1	ter1	In-frame
GSR-CSDM1	ch8	30684088	-	ch8	3029513	-	CSDM1	ENST00000335551	ch8	3029513	-	YCD5-CDS	0	1	1	ter1	In-frame
GSR-CSDM1	ch8	30684088	-	ch8	3029513	-	CSDM1	ENST00000400186	ch8	3029513	-	YCD5-CDS	0	1	1	ter1	In-frame
GSR-CSDM1	ch8	30684088	-	ch8	3029513	-	CSDM1	ENST00000335551	ch8	3029513	-	YCD5-CDS	0	1	1	ter1	In-frame
GSR-OTOA	ch8	30692969	-	ch16	21760470	-	OTOA	ENST00000388956	ch16	21760470	-	N.CDS-CDS-13X	0	0	1	ter1	Out-of-frame
GSR-STM2	ch8	30700081	-	ch8	79638602	-	STM2	ENST00000220876	ch8	79638602	-	N.CDS-CDS-10X	0	0	1	ter1	Out-of-frame
GSR-RBPM5	ch8	30727530	-	ch8	30558887	-	RBPM5	ENST00000287771	ch8	30558887	-	N.CDS-CDS-1X	0	0	1	ter1	Out-of-frame
GSS-TT11	ch20	34941713	-	ch20	37999328	-	TT11	ENST00000334447	ch20	37999328	-	N.CDS-CDS	0	0	1	ter2	Out-of-frame
GSS-ACSS2	ch20	34955727	-	ch20	34925698	-	ACSS2	ENST00000253382	ch20	34925698	-	N.SUTR-CDS	0	0	1	ter2	SUTR-CDS
GSTO1-INA	ch10	104283077	-	ch10	103287035	-	INA	ENST00000369849	ch10	103287035	-	YCD5-CDS	0	0	1	ter1	Out-of-frame
GSTP1-CTSA	ch11	67586454	-	ch11	67586454	-	CTSA	ENST00000191018	ch11	67586454	-	N.CDS-CDS-3X	0	0	1	ter1	Out-of-frame
GSTP1-ELP4	ch11	67586537	-	ch11	67586537	-	ELP4	ENST00000350638	ch11	67586537	-	N.CDS-CDS-3X	0	0	1	ter1	Out-of-frame
GSTP1-ELP4	ch11	67586537	-	ch11	67586537	-	ELP4	ENST00000350638	ch11	67586537	-	N.CDS-CDS-3X	0	0	1	ter1	Out-of-frame
GSTP1-ELP4	ch11	67586537	-	ch11	67586537	-	ELP4	ENST00000350638	ch11	67586537	-	N.CDS-CDS-3X	0	0	1	ter1	Out-of-frame
GSTP1-ELP4	ch11	67586537	-	ch11	67586537	-	ELP4	ENST00000350638	ch11	67586537	-	N.CDS-CDS-3X	0	0	1	ter1	Out-of-frame
GSTP1-SF3B2	ch11	67586650	-	ch11	67586650	-	SF3B2	ENST00000350638	ch11	67586650	-	Y.3UTR-CDS-1X	0	0	1	ter4	3UTR-CDS
GSTP1-SF3B2	ch11	67586650	-	ch11	67586650	-	SF3B2	ENST00000350638	ch11	67586650	-	Y.3UTR-CDS-1X	0	0	1	ter4	3UTR-CDS
GSTP1-ATP5G3	ch11	67586650	-	ch2	175184607	-	ATP5G3	ENST00000284727	ch2	175184607	-	N.3UTR-SUTR-45D	0	0	1	ter3	3UTR-SUTR
GT2F21-KIAA0391	ch14	81216413	-	ch14	81216413	-	KIAA0391	ENST00000250377	ch14	81216413	-	YCD5-CDS	0	0	1	ter1	In-frame
GT2F21-POM2	ch14	81216413	-	ch14	81216413	-	POM2	ENST00000261534	ch14	81216413	-	N.CDS-CDS	0	0	1	ter1	Out-of-frame
GT2F2-ODF2L	ch1	88891483	-	ch1	88891483	-	ODF2L	ENST00000294678	ch1	88891483	-	N.CDS-CDS	0	0	1	ter1	Out-of-frame
GT2F2-BPI	ch1	88891483	-	ch20	38331048	-	BPI	ENST00000262865	ch20	38331048	-	N.CDS-CDS	0	0	1	ter1	In-frame
GT2F2-BPI	ch1	88891483	-	ch20	38334430	-	BPI	ENST00000262865	ch20	38334430	-	N.CDS-CDS	0	0	1	ter1	Out-of-frame
GT2F2-FBXO16	ch8	30635032	-	ch8	30635032	-	FBXO16	ENST00000518734	ch8	30635032	-	N.CDS-CDS-3X	0	1	1	ter1	Out-of-frame
GT2F2-FBXO16	ch8	30635032	-	ch8	30635032	-	FBXO16	ENST00000380254	ch8	30635032	-	N.CDS-CDS-3X	0	1	1	ter1	Out-of-frame
GT2F2-NARS2	ch8	30654333	-	ch11	78493195	-	NARS2	ENST00000281038	ch11	78493195	-	N.CDS-CDS	0	0	1	ter1	Out-of-frame
GT2F2-CEP350	ch8	30654333	-	ch8	30654333	-	CEP350	ENST00000354433	ch8	30654333	-	N.CDS-CDS	0	0	1	ter1	In-frame
GT2F2-HEATR4	ch8	30654333	-	ch14	73514234	-	HEATR4	ENST00000339068	ch14	73514234	-	YCD5-CDS	0	0	1	ter3	In-frame
GT2F2-ACE	ch8	30654333	-	ch17	63484330	-	ACE	ENST00000290866	ch17	63484330	-	N.CDS-CDS	0	0	1	ter2	Out-of-frame
GT2F2-EIF4EBP1	ch8	30654333	-	ch8	30654333	-	EIF4EBP1	ENST00000338825	ch8	30654333	-	YCD5-CDS	0	0	1	ter1	In-frame
GT2F2-GSR	ch8	30693055	-	ch8	30693055	-	GSR	ENST00000221130	ch8	30693055	-	N.CDS-CDS	0	0	1	ter1	Out-of-frame
GT2F2-FUT10	ch8	30654333	-	ch8	33394255	-	FUT10	ENST00000518076	ch8	33394255	-	N.CDS-SUTR	0	0	1	ter2	Out-of-frame
GT2F2-ACF5	ch19	6383311	-	ch19	6383311	-	ACF5	ENST00000518076	ch19	6383311	-	N.CDS-CDS-3X	0	0	1	ter1	Out-of-frame
GT2F2-S100A4	ch13	45120721	-	ch13	45120721	-	S100A4	ENST00000345332	ch13	45120721	-	N.CDS-SUTR	0	0	1	ter1	CDS-SUTR
GT2F2-S100A3	ch13	45120721	-	ch1	153548490	-	S100A3	ENST00000368712	ch1	153548490	-	N.CDS-SUTR	0	0	1	ter1	CDS-SUTR
GT2F2-GPC5	ch13	45120721	-	ch13	45120721	-	GPC5	ENST00000377067	ch13	45120721	-	N.CDS-CDS	0	0	1	ter1	In-frame
GT2F2-RSF1	ch13	45151831	-	ch11	77702495	-	RSF1	ENST00000308488	ch11	77702495	-	YCD5-CDS	0	0	1	ter1	In-frame
GT2F2-GPALPP1	ch13	45151831	-	ch13	45151831	-	GPALPP1	ENST00000379151	ch13	45151831	-	YCD5-CDS	0	0	1	ter1	In-frame
GT2F2-NBEA	ch13	45207505	-	ch13	45207505	-	NBEA	ENST00000310336	ch13	45207505	-	YCD5-CDS	0	0	1	ter1	In-frame
GT2F2-CAT	ch13	45207505	-	ch18	48757918	-	CAT	ENST00000207613	ch18	48757918	-	YCD5-CDS	0	0	1	ter1	In-frame
GT2F2-GPALPP1	ch13	45207505	-	ch13	45014952	-	GPALPP1	ENST00000381121	ch13	45014952	-	YCD5-CDS	0	0	1	ter1	In-frame
GT2F21-HP55	ch11	18322740	-	ch11	18296984	-	HP55	ENST00000349215	ch11	18296984	-	N.SUTR-CDS	0	0	1	ter1	5UTR-CDS
GT2F2H3-NUAK1	ch12	12363872	-	ch12	106072843	-	NUAK1	ENST00000261402	ch12	106072843	-	N.SUTR-CDS	0	0	1	ter1	Out-of-frame
GT2F2H3-PGC	ch12	123639343	-	ch6	41737828	-	PGC	ENST00000373025	ch6	41737828	-	YCD5-CDS	0	0	1	ter1	In-frame
GT2F2H3-PGC	ch12	123639343	-	ch6	41737828	-	PGC	ENST00000373025	ch6	41737828	-	YCD5-CDS	0	0	1	ter1	In-frame
GT2F2H3-NCOR2	ch12	123645561	-	ch12	123645561	-	NCOR2	ENST00000356219	ch12	123645561	-	N.CDS-CDS	0	0	1	ter1	Out-of-frame
GT2F2-FLN1	ch7	74718967	-	ch7	74718967	-	FLN1	ENST00000359933	ch7	74718967	-	N.SUTR-CDS	0	0	1	ter1	5UTR-CDS
GT2F2-EIF4H	ch7	74718967	-	ch7	74718967	-	EIF4H	ENST00000265753	ch7	74718967	-	YCD5-CDS	0	0	1	ter1	Out-of-frame
GT2F2-EIF4H	ch7	74718967	-	ch7	74718967	-	EIF4H	ENST00000359939	ch7	74718967	-	YCD5-CDS	0	0	1	ter1	Out-of-frame
GT2F2-IRD1-DUS3L	ch7	74454176	-	ch19	5790335	-	DUS3L	ENST00000390961	ch19	5790335	-	N.SUTR-CDS-2X	0	0	1	ter2	SUTR-CDS
GT2F2-IRD1-DUS3L	ch7	74454176	-	ch7	74454176	-	DUS3L	ENST00000390961	ch7	74454176	-	N.SUTR-CDS-2X	0	0	1	ter2	SUTR-CDS
GT2F2-IRD1-ALK	ch7	74521297	-	ch7	74521297	-	ALK	ENST00000389488	ch7	74521297	-	YCD5-CDS	0	0	1	ter1	In-frame
GT2F2-IRD1-HP2BDD2	ch7	74538760	-	ch7	74538760	-	HP2BDD2	ENST00000546123	ch7	74538760	-	N.CDS-SUTR	0	0	1	ter2	Out-of-frame
GT2F2-IRD1-ZAN	ch7	74538760	-	ch7	74538760	-	ZAN	ENST00000546123	ch7	74538760	-	N.CDS-SUTR	0	0	1	ter1	Out-of-frame
GT2F2-IRD1-ZAN	ch7	74538760	-	ch7	74538760	-	ZAN	ENST00000546123	ch7	74538760	-	N.CDS-SUTR	0	0	1	ter1	Out-of-frame
GT2F2-IRD1-ZAN	ch7	74538760	-	ch7	74538760	-	ZAN	ENST00000546123	ch7	74538760	-	N.CDS-SUTR	0	0	1	ter1	Out-of-frame
GT2F2-IRD1-ZAN	ch7	74538760	-	ch7	74538760	-	ZAN	ENST00000546123	ch7	74538760	-	N.CDS-SUTR	0	0	1	ter1	Out-of-frame
GT2F2-IRD1-ZAN	ch7	74538760	-	ch7	74538760	-	ZAN	ENST00000546123	ch7	74538760	-	N.CDS-SUTR	0	0	1	ter1	Out-of-frame

HDAC7-SRGP1	chr12	64142295 +	chr12	47788045 +	HDAC7	ENST00000080059	chr12	47788045 +	SRGAP1	ENST000000355086	chr12	64142295 +	YCCDS-CDS	0	0	1	1er1	In-frame
HDAC7-HAK4	chr12	47791259 -	chr12	43768103 +	HDAC7	ENST00000080059	chr12	47791259 -	IRAK4	ENST000000431837	chr12	43768103 +	N.CDS-SUTR.23X	0	0	1	1er1	CDS-SUTR
HDAC7-CHUK	chr10	47819767 -	chr10	47819767 -	HDAC7	ENST000000552966	chr10	47819767 -	CHUK	ENST000000703937	chr10	47819767 -	N.CDS-CDS	0	0	1	0er1	Out-of-frame
HDAC7-ACSS3	chr12	47819767 -	chr12	81134816 +	HDAC7	ENST000000552966	chr12	47819767 -	ACSS3	ENST000000261206	chr12	81134816 +	N.CDS-CDS	0	1	0er1	Out-of-frame	
HDAC7-COL2A1	chr12	47819767 -	chr12	48000125 -	HDAC7	ENST00000080059	chr12	47819767 -	COL2A1	ENST000000380518	chr12	48000125 -	YCCDS-CDS	0	0	1er2	In-frame	
HDAC7-CHUK	chr10	47819767 -	chr10	100209790 -	HDAC7	ENST00000080059	chr10	47819767 -	CHUK	ENST000000370397	chr10	100209790 -	N.CDS-ND	0	1	0	er2	-
HDAC7-VSTM2B	chr12	47819767 -	chr19	29527211 +	HDAC7	ENST00000080059	chr12	47819767 -	VSTM2B	ENST000000355233	chr19	29527211 +	YCCDS-CDS	0	0	1er1	In-frame	
HDAC7-VDR	chr12	47819767 -	chr12	47865177 -	HDAC7	ENST00000080059	chr12	47819767 -	VDR	ENST000000229022	chr12	47865177 -	N.CDS-CDS	0	0	1er1	Out-of-frame	
HDAC7-ACSS3	chr12	47819767 -	chr12	81134816 +	HDAC7	ENST00000080059	chr12	47819767 -	ACSS3	ENST000000261206	chr12	81134816 +	N.CDS-SUTR.3X	0	0	1	1er1	Out-of-frame
HDAC7-CHUK	chr10	47819767 -	chr10	100209790 -	HDAC7	ENST000000354334	chr10	47819767 -	CHUK	ENST000000703937	chr10	100209790 -	N.CDS-ND	0	1	0	er1	Out-of-frame
HDAC7-ACSS3	chr12	47819767 -	chr12	81134816 +	HDAC7	ENST000000354334	chr12	47819767 -	ACSS3	ENST000000261206	chr12	81134816 +	N.CDS-CDS	0	1	0er1	Out-of-frame	
HDAC8-PHK1A	chrX	72567889 -	chrX	72584302 -	HDAC8	ENST000000339490	chrX	72567889 -	PHK1A	ENST000000339490	chrX	72584302 -	N.CDS-CDS.2X	0	0	1er1	Out-of-frame	
HDAC8-SNX10	chr7	18162349 +	chr7	26360975 +	HDAC8	ENST000000417496	chr7	18162349 +	SNX10	ENST000000385233	chr7	26360975 +	N.CDS-CDS	0	0	1er1	Out-of-frame	
HDAC9-C1orf105	chr7	18496324 +	chr7	172465299 +	HDAC9	ENST000000419121	chr7	18496324 +	C1orf105	ENST000000367725	chr7	172465299 +	N.CDS-CDS	0	0	1er1	Out-of-frame	
HDAC9-LINC02	chr7	18585522 +	chr7	28476025 -	HDAC9	ENST000000419121	chr7	18585522 +	LINC02	ENST000000308675	chr7	28476025 -	N.CDS-SUTR.3X	0	0	1er1	CDS-SUTR	
HDAC9-SBRF54	chr7	18648683 +	chr8	68640376 +	HDAC9	ENST000000419121	chr7	18648683 +	SBRF54	ENST000000325233	chr8	68640376 +	N.CDS-CDS	0	0	1er1	Out-of-frame	
HDDC2-FAM47E	chr6	125292841 -	chr4	76263704 +	HDDC2	ENST000000318787	chr6	125292841 -	FAM47E	ENST000000424749	chr4	76263704 +	Y3UTR-CDS.1X	0	0	1er1	CDS-SUTR	
HDDC2-FAM47E	chr6	125292841 -	chr4	76263704 +	HDDC2	ENST000000318787	chr6	125292841 -	FAM47E	ENST000000424749	chr4	76263704 +	YCCDS-CDS	0	1	1er1	CDS-SUTR	
HDDC2-TPD52L1	chr6	125298714 -	chr6	125262834 +	HDDC2	ENST000000398153	chr6	125298714 -	TPD52L1	ENST000000304877	chr6	125262834 +	YCCDS-CDS	0	0	1er1	In-frame	
HDDH2-SNF8	chr18	47150378 -	chr18	47150378 -	HDDH2	ENST000000300605	chr18	47150378 -	SNF8	ENST000000290330	chr18	47150378 -	N3UTR-CDS	0	0	1er1	SUTR-CDS	
HDLBP-CLASP2	chr2	24122922 -	chr3	33560876 -	HDLBP	ENST000000427183	chr2	24122922 -	CLASP2	ENST000000395876	chr3	33560876 -	N3UTR-CDS.33X	0	0	1er1	NA	
HDLBP-SARRACE1	chr2	24122922 -	chr17	40630286 -	HDLBP	ENST000000427183	chr2	24122922 -	SARRACE1	ENST000000264400	chr17	40630286 -	N3UTR-CDS.32X	0	0	1er1	3UTR-CDS	
HDLBP-DSP	chr2	24122922 -	chr6	7575295 -	HDLBP	ENST000000427183	chr2	24122922 -	DSP	ENST000000379802	chr6	7575295 -	Y3UTR-CDS.1X	0	1	1er1	NA	
HDLBP-EEA1	chr2	24122922 -	chr12	92835427 -	HDLBP	ENST000000310931	chr2	24122922 -	EEA1	ENST000000323249	chr12	92835427 -	N3UTR-ND.40X	0	0	1er1	NA	
HDLBP-STAT6	chr2	24122922 -	chr12	57102990 -	HDLBP	ENST000000310931	chr2	24122922 -	STAT6	ENST00000055375	chr12	57102990 -	N3UTR-SUTR.1X	0	0	1er1	NA	
HDLBP-SPON2	chr2	24122942 -	chr4	1205088 -	HDLBP	ENST000000310931	chr2	24122942 -	SPON2	ENST000000400762	chr4	1205088 -	N3UTR-SUTR.2X	0	0	1er1	NA	
HDLBP-TMPRSS2	chr2	24123380 -	chr2	41473496 -	HDLBP	ENST000000319175	chr2	24123380 -	TMPRSS2	ENST000000332149	chr2	41473496 -	N.CDS-CDS.24X	0	1	0	er1	-
HDLBP-DSP	chr2	24123380 -	chr6	7576294 +	HDLBP	ENST000000310931	chr2	24123380 -	DSP	ENST000000379802	chr6	7576294 +	N.CDS-CDS.32X	0	1	0	er1	-
HDLBP-TRC1	chr2	24123380 -	chr7	72830451 -	HDLBP	ENST000000310931	chr2	24123380 -	TRC1	ENST000000470746	chr7	72830451 -	N.CDS-SUTR.15X	0	0	1er1	Out-of-frame	
HDLBP-CADM2	chr2	241315570 -	chr3	85802047 +	HDLBP	ENST000000310931	chr2	241315570 -	CADM2	ENST000000383690	chr3	85802047 +	N3UTR-CDS	0	0	1er1	Out-of-frame	
HDZ-ERIC11	chrX	84502342 -	chr8	664676 -	HDZ	ENST000000297777	chrX	84502342 -	ERIC11	ENST000000262109	chr8	664676 -	N3UTR-CDS.1X	0	0	1er1	SUTR-CDS	
HEATR2-ZNRF3	chr7	729847 +	chr7	729847 +	HEATR2	ENST000000297440	chr7	729847 +	ZNRF3	ENST000000402174	chr7	729847 +	YCCDS-CDS	0	0	1er1	In-frame	
HEATR3-CHRN83	chr16	50066539 +	chr16	50066539 +	HEATR3	ENST000000299192	chr16	50066539 +	CHRN83	ENST000000289957	chr16	50066539 +	N.CDS-CDS	0	0	1er1	Out-of-frame	
HEATR5B-MVB	chr2	36988846 -	chr2	132501639 +	HEATR5B	ENST000000233099	chr2	36988846 -	MVB	ENST000000341911	chr2	132501639 +	N.CDS-CDS.125X	0	0	1er1	Out-of-frame	
HEATR5B-NCALD	chr2	37053502 -	chr8	101692896 -	HEATR5B	ENST000000233099	chr2	37053502 -	NCALD	ENST000000220931	chr8	101692896 -	YCCDS-CDS	0	0	1er1	In-frame	
HEATR6-WEE1	chr17	60072215 -	chr11	9581532 +	HEATR6	ENST000000184956	chr17	60072215 -	WEE1	ENST000000299613	chr11	9581532 +	N.CDS-CDS.5X	0	0	1er1	Out-of-frame	
HEATR6-C1orf64	chr17	60076130 -	chr17	60431181 +	HEATR6	ENST000000184956	chr17	60076130 -	C1orf64	ENST000000269127	chr17	60431181 +	N.CDS-CDS.2X	0	0	1er1	Out-of-frame	
HEATR6-STXB4	chr17	60076130 -	chr17	60076130 -	HEATR6	ENST000000184956	chr17	60076130 -	STXB4	ENST000000376352	chr17	60076130 -	YCCDS-CDS	0	1	0er1	-	
HEATR6-STXB4	chr17	60076130 -	chr17	55031168 +	HEATR6	ENST000000184956	chr17	60076130 -	STXB4	ENST000000376352	chr17	55031168 +	YCCDS-CDS	0	1	1er2	In-frame	
HEBP1-NCK1	chr12	12987152 -	chr3	32698846 -	HEBP1	ENST000000414930	chr12	12987152 -	NCK1	ENST000000289896	chr3	32698846 -	N.CDS-CDS	0	1	1er1	Out-of-frame	
HEBP1-NCK1	chr12	12987152 -	chr3	32698846 -	HEBP1	ENST000000414930	chr12	12987152 -	NCK1	ENST000000289896	chr3	32698846 -	N.CDS-CDS	0	1	1er1	Out-of-frame	
HEBP1-CREB1	chr12	13000037 -	chr12	12635777 +	HEBP1	ENST000000414930	chr12	13000037 -	CREB1	ENST000000228665	chr12	12635777 +	YCCDS-CDS	0	0	1er1	In-frame	
HECTD1-HEATR5A	chr14	31345276 -	chr14	31345276 -	HECTD1	ENST000000399332	chr14	31345276 -	HEATR5A	ENST000000538664	chr14	31345276 -	N.CDS-CDS.115X	0	0	1er1	Out-of-frame	
HECTD1-DHRS4L2	chr14	31344807 -	chr14	23990182 +	HECTD1	ENST000000399332	chr14	31344807 -	DHRS4L2	ENST000000335125	chr14	23990182 +	N.CDS-CDS.60X	0	0	1er1	Out-of-frame	
HECTD2-GLRX3	chr10	91410576 +	chr10	91410576 +	HECTD2	ENST000000298068	chr10	91410576 +	GLRX3	ENST000000386644	chr10	91410576 +	N.CDS-SUTR.1X	0	0	1er1	CDS-SUTR	
HECTD2-PCGF5	chr10	91425410 +	chr10	91425410 +	HECTD2	ENST000000298068	chr10	91425410 +	PCGF5	ENST000000336126	chr10	91425410 +	N.CDS-CDS	0	0	1er1	Out-of-frame	
HECTD4-SRRM4	chr12	112610737 -	chr12	119116937 -	HECTD4	ENST000000375660	chr12	112610737 -	SRRM4	ENST000000267290	chr12	119116937 -	N.CDS-CDS.176X	0	0	1er1	Out-of-frame	
HECTD4-HSPB8	chr12	112610737 -	chr12	112190786 -	HECTD4	ENST000000375660	chr12	112610737 -	HSPB8	ENST000000306338	chr12	112190786 -	YCCDS-CDS	0	0	1er1	Out-of-frame	
HECTD4-PEBP1	chr12	112306064 -	chr12	118138039 +	HECTD4	ENST000000375660	chr12	112306064 -	PEBP1	ENST000000261133	chr12	118138039 +	YCCDS-CDS	0	0	1er1	In-frame	
HECW2-PRKCE	chr2	196593508 -	chr2	45843000 +	HECW2	ENST000000427451	chr2	196593508 -	PRKCE	ENST000000306156	chr2	45843000 +	N3UTR-CDS	0	0	1er1	NA	
HEG1-SLC12A8	chr3	124977859 -	chr3	125092198 -	HEG1	ENST000000311127	chr3	124977859 -	SLC12A8	ENST000000393469	chr3	125092198 -	N.CDS-CDS.44X	0	0	1er1	Out-of-frame	
HEG1-SLC12A8	chr3	125055575 -	chr3	125135782 -	HEG1	ENST000000311127	chr3	125055575 -	SLC12A8	ENST000000393469	chr3	125135782 -	YCCDS-CDS	0	0	1er1	In-frame	
HEG1-SLC12A8	chr3	125055575 -	chr3	125120886 -	HEG1	ENST000000311127	chr3	125055575 -	SLC12A8	ENST000000393469	chr3	125120886 -	YCCDS-CDS	0	0	1er1	In-frame	
HELB-SLC12A8	chr3	125103375 -	chr3	125103375 -	HELB	ENST000000247815	chr3	125103375 -	SLC12A8	ENST000000393469	chr3	125103375 -	N.CDS-CDS	0	0	1er1	In-frame	
HELB-GRIP1	chr12	66379436 -	chr12	66379436 -	HELB	ENST000000247815	chr12	66379436 -	GRIP1	ENST000000359742	chr12	66379436 -	N.CDS-CDS.44X	0	0	1er1	Out-of-frame	
HELB-MGAT4C	chr12	66310008 +	chr12	86495315 -	HELB	ENST000000247815	chr12	66310008 +	MGAT4C	ENST000000551921	chr12	86495315 -	N.CDS-SUTR.47X	0	0	1er1	CDS-SUTR	
HELB-PITPNC1	chr7	67107169 -	chr17	67692572 +	HELB	ENST000000247815	chr7	67107169 -	PITPNC1	ENST000000299954	chr17	67692572 +	YCCDS-CDS	0	0	1er1	In-frame	
HELB-CACNG4	chr17	67120405 -	chr17	67030466 +	HELB	ENST000000247815	chr17	67120405 -	CACNG4	ENST000000262138	chr17	67030466 +	YCCDS-CDS	0	0	1er1	In-frame	
HELB-CEP112	chr17	67120405 -	chr17	65689218 -	HELB	ENST000000247815	chr17	67120405 -	CEP112	ENST000000317442	chr17	65689218 -	N.CDS-CDS.69X	0	1	0	er1	-
HELB-TAF15	chr17	67128651 +	chr17	35817716 +	HELB	ENST000000247815	chr17	67128651 +	TAF15	ENST000000063033	chr17	35817716 +	N.CDS-SUTR.90X	0	0	1er1	Out-of-frame	
HELB-TYH2	chr17	67128651 +	chr17	67341052 -	HELB	ENST000000247815	chr17	67128651 +	TYH2	ENST000000510126	chr17	67341052 -	N.CDS-CDS.47X	0	0	1er1	Out-of-frame	
HELB-TYH2	chr17	67128651 +	chr17	74252234 +	HELB	ENST000000247815	chr17	67128651 +	TYH2	ENST000000269346	chr17	74252234 +	N.CDS-CDS.37X	0	0	1er1	Out-of-frame	
HELB-OAZ1	chr17	67203319 -	chr19	2272735 +	HELB	ENST000000247815	chr17	67203319 -	OAZ1	ENST000000586673	chr							

ILRAP-SIRPG	ch3	190629498	+	ch20	1649408	-	ch20	190629498	+	SIRPG	ENST00000216927	ch3	1649408	-	Y.CDS-CDS	0	0	1	1er1	CDS-SUTR
ILRAP-TPRG1	ch3	190629498	+	ch3	189310386	-	ch3	190629498	+	TPRG1	ENST00000345063	ch3	189310386	-	N.CDS-CDS.15X	0	0	1	1er1	Out-of-frame
ILRAP-MA3EB10	ch3	26718925	+	ch3	26718925	+	ch3	26718925	+	MA3EB10	ENST00000356790	ch3	2718925	+	N.CDS-SUTR	0	0	1	2er2	CDS-SUTR
ILRAP1-LDM2	ch3	29399308	+	ch3	31679588	-	ch3	29399308	+	DMD	ENST00000359636	ch3	31679588	-	N.ND-ND.2X	0	0	1	0	-
ILRAP1-LDM3	ch3	29399308	+	ch3	31679588	-	ch3	29399308	+	DMD	ENST00000357033	ch3	31679588	-	N.ND-ND.7X	0	0	1	0	-
ILRAP1-LDM4	ch3	29399308	+	ch3	31679588	-	ch3	29399308	+	DMD	ENST00000343523	ch3	31679588	-	N.ND-ND.25X	0	0	1	0	-
ILRAP1-LDM5	ch3	29399308	+	ch3	31679588	-	ch3	29399308	+	DMD	ENST00000378677	ch3	31679588	-	N.ND-ND.5X	0	0	1	0	-
ILRAP1-LDM6	ch3	29399308	+	ch3	31679588	-	ch3	29399308	+	DMD	ENST00000359836	ch3	31679588	-	N.CDS-ND.12X	0	0	1	0	-
ILRAP1-LDM7	ch3	29399308	+	ch3	31679588	-	ch3	29399308	+	DMD	ENST00000357033	ch3	31679588	-	N.CDS-ND.17X	0	0	1	0	-
ILRAP1-LDM8	ch3	29399308	+	ch3	31679588	-	ch3	29399308	+	DMD	ENST00000343523	ch3	31679588	-	N.CDS-ND.15X	0	0	1	0	-
ILRAP1-LDM9	ch3	29399308	+	ch3	31679588	-	ch3	29399308	+	DMD	ENST00000378677	ch3	31679588	-	N.CDS-ND.15X	0	0	1	0	-
ILRAP2-STK39	ch3	105234004	+	ch2	167964726	-	ch2	105234004	+	STK39	ENST00000355999	ch2	167964726	-	N.CDS-CDS.10X	0	0	1	1er1	Out-of-frame
ILRL2-IL1R2	ch2	102212174	+	ch2	102019638	-	ch2	102212174	+	IL1R2	ENST00000332549	ch2	102019638	-	N.CDS-CDS.12X	0	0	1	2er2	Out-of-frame
IL20RA-CPM	ch6	137044092	-	ch12	68885889	-	ch12	137044092	-	CPM	ENST00000338356	ch12	68885889	-	N.SUTR-CDS	0	0	1	2er2	Out-of-frame
IL20RB-NR4A1	ch3	136958201	+	ch12	52054327	-	ch3	136958201	+	NR4A1	ENST00000360284	ch12	52054327	-	Y.CDS-CDS	0	0	1	1er1	CDS-SUTR
IL20RB-NCK1	ch3	136958201	+	ch12	52054327	-	ch3	136958201	+	NCK1	ENST00000289986	ch12	52054327	-	Y.CDS-SUTR.2X	0	0	1	1er1	CDS-SUTR
IL27RA-RLN3	ch19	14030710	+	ch19	14030710	+	ch19	14030710	+	RLN3	ENST00000431959	ch19	14030710	+	N.CDS-CDS	0	0	1	1er1	Out-of-frame
IL27RA-RLN3	ch19	14042789	+	ch19	14030710	+	ch19	14042789	+	RLN3	ENST00000431959	ch19	14030710	+	N.CDS-CDS.2X	0	0	1	4er2	Out-of-frame
IL27RA-RLN3	ch19	14049314	+	ch19	14030710	+	ch19	14049314	+	RLN3	ENST00000431959	ch19	14030710	+	Y.CDS-CDS	0	0	1	3er1	In-frame
IL34-ARG2	ch16	70580049	+	ch14	67620894	-	ch16	70580049	+	ARG2	ENST00000261783	ch14	67620894	-	N.SUTR-CDS	0	0	1	1er1	SUTR-CDS
IL34-CNGB1	ch16	70580049	+	ch16	57967294	-	ch16	70580049	+	CNGB1	ENST00000251102	ch16	57967294	-	N.SUTR-SUTR	0	0	1	2er2	SUTR-CDS
IL34-ST3CAL2	ch16	70580049	+	ch16	70399533	-	ch16	70580049	+	ST3CAL2	ENST00000429077	ch16	70399533	-	N.SUTR-SUTR.7X	0	0	1	1er1	SUTR-SUTR
IL41-KCNQ2	ch19	49272694	+	ch20	63445364	-	ch19	49272694	+	KCNQ2	ENST00000344225	ch20	63445364	-	N.SUTR-CDS.3X	0	0	1	1er1	SUTR-CDS
IL41-VSTM2B	ch19	49272694	+	ch19	29563846	-	ch19	49272694	+	VSTM2B	ENST00000335233	ch19	29563846	-	N.SUTR-CDS	0	0	1	1er1	SUTR-CDS
IL41-DYRK1B	ch19	49272694	+	ch19	39831968	-	ch19	49272694	+	DYRK1B	ENST00000323039	ch19	39831968	-	N.SUTR-SUTR	0	0	1	1er1	SUTR-SUTR
IL4R-NSMCE1	ch16	27314020	+	ch16	27314020	+	ch16	27314020	+	NSMCE1	ENST00000361439	ch16	27314020	+	N.SUTR-CDS	0	0	1	1er1	SUTR-CDS
IL4R-ACMSD	ch16	27313098	+	ch16	134988341	-	ch16	27313098	+	ACMSD	ENST00000356140	ch16	134988341	-	N.SUTR-CDS	0	0	1	1er1	SUTR-CDS
IL4R-NSMCE1	ch16	27314020	+	ch16	27257581	-	ch16	27314020	+	NSMCE1	ENST00000361439	ch16	27257581	-	N.CDS-SUTR	0	0	1	1er1	Out-of-frame
IL6ST-LAMC2	ch5	5591464	-	ch1	183207881	+	ch5	5591464	-	LAMC2	ENST00000264144	ch1	183207881	+	Y.CDS-CDS	0	0	1	1er3	In-frame
IL6ST-DDX4	ch5	5591464	-	ch5	55738903	-	ch5	5591464	-	DDX4	ENST00000378677	ch5	55738903	-	Y.CDS-SUTR	0	0	1	1er1	Out-of-frame
IL6ST-ANKRD55	ch5	5591464	-	ch5	5591464	-	ch5	5591464	-	ANKRD55	ENST00000341048	ch5	55116782	-	N.CDS-CDS	0	0	1	1er1	Out-of-frame
ILF3-PDE4A	ch19	10654487	+	ch19	10654487	+	ch19	10654487	+	PDE4A	ENST00000293683	ch19	10654487	+	N.SUTR-CDS	0	0	1	1er1	SUTR-CDS
ILF3-ATG4D	ch19	10654487	+	ch19	10654487	+	ch19	10654487	+	ATG4D	ENST00000309469	ch19	10654487	+	N.SUTR-CDS	0	0	1	1er1	SUTR-CDS
ILF3-C3	ch19	10654487	+	ch19	6697794	-	ch19	10654487	+	C3	ENST00000259007	ch19	6697794	-	N.SUTR-CDS	0	0	1	1er1	In-frame
ILF3-AP1M2	ch19	10671535	+	ch19	10578963	-	ch19	10671535	+	AP1M2	ENST00000250244	ch19	10578963	-	Y.CDS-CDS	0	0	1	1er1	In-frame
ILF3-SMARCA2	ch19	10671535	+	ch19	11023518	-	ch19	10671535	+	SMARCA2	ENST00000344626	ch19	11023518	-	N.SUTR-CDS	0	0	1	1er1	Out-of-frame
ILF3-ZNF177	ch19	10671535	+	ch19	9376316	-	ch19	10671535	+	ZNF177	ENST00000343499	ch19	9376316	-	N.CDS-SUTR.4X	0	0	1	0	-
ILF3-DENND2D	ch19	10677310	+	ch1	111196056	-	ch19	10677310	+	DENND2D	ENST00000357640	ch1	111196056	-	N.CDS-CDS.10X	0	0	1	1er1	Out-of-frame
ILVBL-TECR	ch19	15115850	+	ch19	14562525	-	ch19	15115850	+	TECR	ENST00000215567	ch19	14562525	-	Y.CDS-CDS	0	0	1	0	-
ILVBL-SYDE1	ch19	15116152	+	ch19	15109056	-	ch19	15116152	+	SYDE1	ENST00000342784	ch19	15109056	-	Y.CDS-CDS	0	0	1	1er1	In-frame
ILVBL-SLC1A6	ch19	15122693	+	ch19	14950390	-	ch19	15122693	+	SLC1A6	ENST00000600144	ch19	14950390	-	Y.CDS-CDS	0	0	1	0	-
ILVBL-SLC1A6	ch19	15122693	+	ch19	14950390	-	ch19	15122693	+	SLC1A6	ENST00000221742	ch19	14950390	-	Y.CDS-CDS	0	0	1	0	-
IMMP1-RSPD2	ch7	11088593	-	ch7	96028175	-	ch7	11088593	-	RSPD2	ENST00000329472	ch7	96028175	-	Y.CDS-CDS	0	0	1	1er1	In-frame
IMMP2L-DYNC11	ch7	11088593	-	ch7	96028175	-	ch7	11088593	-	DYNC11	ENST00000324972	ch7	96028175	-	Y.CDS-CDS	0	0	1	1er1	In-frame
IMMP2L-DOCK4	ch7	111487238	-	ch7	111487238	-	ch7	111487238	-	DOCK4	ENST00000428084	ch7	111487238	-	Y.CDS-CDS	0	0	1	1er2	In-frame
IMMP2L-DOCK4	ch7	111521313	-	ch7	111769677	-	ch7	111521313	-	DOCK4	ENST00000417165	ch7	111769677	-	N.CDS-CDS	0	0	1	2er2	Out-of-frame
IMMP2L-DOCK4	ch7	111561851	-	ch7	112004131	-	ch7	111561851	-	DOCK4	ENST00000428084	ch7	112004131	-	N.SUTR-CDS	0	0	1	1er1	Out-of-frame
IMMT-REEP1	ch2	86151297	-	ch2	86282242	-	ch2	86151297	-	REEP1	ENST00000165986	ch2	86282242	-	N.CDS-CDS.24X	0	0	1	1er1	Out-of-frame
IMMT-REEP2	ch2	86151297	-	ch2	86151297	-	ch2	86151297	-	REEP2	ENST00000276622	ch2	86151297	-	N.SUTR-SUTR	0	0	1	1er1	Out-of-frame
IMPAD1-ZCCHC24	ch10	79394400	+	ch8	66903339	-	ch10	79394400	+	ZCCHC24	ENST00000323236	ch8	66903339	-	Y.CDS-CDS	0	0	1	1er1	In-frame
IMPDH1-GRM8	ch7	128403706	+	ch7	128403706	+	ch7	128403706	+	GRM8	ENST00000444921	ch7	128403706	+	Y.CDS-ND	0	0	1	0	-
IMPDH1-GRM8	ch7	128403706	+	ch7	128403706	+	ch7	128403706	+	GRM8	ENST00000339582	ch7	128403706	+	N.CDS-CDS	0	0	1	0	-
INADL-MAP2K5	ch1	61808530	+	ch15	67748231	-	ch1	61808530	+	MAP2K5	ENST00000178640	ch15	67748231	-	Y.CDS-CDS	0	0	1	1er1	In-frame
INADL-CACHD1	ch1	61927829	+	ch1	64647801	+	ch1	61927829	+	CACHD1	ENST00000290039	ch1	64647801	+	Y.CDS-CDS	0	0	1	1er1	In-frame
INADL-CACHD1	ch1	61927829	+	ch1	64647801	+	ch1	61927829	+	CACHD1	ENST00000290039	ch1	64647801	+	Y.CDS-CDS	0	0	1	1er1	In-frame
INCEMP-CCS	ch11	62141511	+	ch11	66605339	-	ch11	62141511	+	CCS	ENST00000310190	ch11	66605339	-	Y.CDS-CDS	0	0	1	1er1	In-frame
ING2-IDH1	ch4	18350567	+	ch2	208255589	-	ch4	18350567	+	IDH1	ENST00000417583	ch2	208255589	-	N.CDS-SUTR	0	0	1	1er1	NA
ING4-A2ML1	ch12	8874425	+	ch12	8874425	+	ch12	8874425	+	A2ML1	ENST00000299698	ch12	8874425	+	N.CDS-CDS	0	0	1	1er1	Out-of-frame
ING4-A2ML1	ch12	8874425	+	ch12	8874425	+	ch12	8874425	+	A2ML1	ENST00000299698	ch12	8874425	+	N.CDS-CDS	0	0	1	1er1	Out-of-frame
ING4-A2ML1	ch12	8874425	+	ch12	8874425	+	ch12	8874425	+	A2ML1	ENST00000299698	ch12	8874425	+	N.CDS-CDS	0	0	1	1er1	Out-of-frame
ING4-A2ML1	ch12	8874425	+	ch12	8874425	+	ch12	8874425	+	A2ML1	ENST00000299698	ch12	8874425	+	N.CDS-CDS	0	0	1	1er1	Out-of-frame
INO80-THSD4	ch15	41029000	+	ch15	41196037	-	ch15	41029000	+	THSD4	ENST00000355527	ch15	41196037	-	N.CDS-CDS.53X	0	0	1	1er1	Out-of-frame
INO80C-POLA1	ch18	35497719	+	ch18	24888006	-	ch18	35497719	+	POLA1	ENST00000379059	ch18	24888006	-	Y.CDS-CDS	0	0	1	0	-
INO80C-POLA1	ch18	35497719	+	ch18	24888006	-	ch18	35497719	+	POLA1	ENST00000379059	ch18	24888006	-	Y.CDS-CDS	0	0	1	0	-
INPP1-HECW2	ch2	19036306	+	ch2	196433458	-	ch2	19036306	+	HECW2	ENST00000260983	ch2	196433458	-	Y.CDS-SUTR	0	0	1	1er1	CDS-SUTR
INPP4A-MGAT																				

ITCH-DEFB18	chr20	34471515 +	chr20	31372857 +	ITCH	ENST00000262650	chr20	34471515 +	DEFB18	ENST00000253381	chr20	31372857 +	N.CDS-CDS.39X	0	1	1	1	Out-of-frame
ITCH-RALY	chr20	34471515 +	chr20	34072066 +	ITCH	ENST00000262650	chr20	34471515 +	RALY	ENST00000246194	chr20	34072066 +	Y.CDS-SUTR	0	1	1	1	CDS-SUTR
ITCH-SP1	chr20	34489262 +	chr20	34628026 +	ITCH	ENST00000262650	chr20	34489262 +	SP1	ENST00000262650	chr20	34628026 +	N.CDS-CDS.53X	0	0	0	0	Out-of-frame
ITCH-PIGU	chr20	34489262 +	chr20	34560979 +	ITCH	ENST00000262650	chr20	34489262 +	PIGU	ENST00000217446	chr20	34560979 +	Y.CDS-CDS	0	0	0	0	In-frame
ITCH-MYL9	chr20	34492597 +	chr20	36548032 +	ITCH	ENST00000262650	chr20	34492597 +	MYL9	ENST00000279022	chr20	36548032 +	Y.CDS-CDS	0	1	1	1	In-frame
ITFG1-SLC45A2	chr16	47311240 +	chr16	33964016 +	ITFG1	ENST00000544001	chr16	47311240 +	SLC45A2	ENST00000296589	chr16	33964016 +	N.CDS-CDS.16X	0	1	1	1	Out-of-frame
ITFG2-TULP3	chr12	2812856 +	chr12	2937631 +	ITFG2	ENST00000228799	chr12	2812856 +	TULP3	ENST00000397132	chr12	2937631 +	Y.CDS-CDS	0	1	0	0	Out-of-frame
ITGA10-PEX11B	chr1	145904052 +	chr1	145912566 +	ITGA10	ENST00000369304	chr1	145904052 +	PEX11B	ENST00000369306	chr1	145912566 +	N.CDS-CDS	0	0	0	0	In-frame
ITGA1-ADAMTS13	chr15	88313779 +	chr15	83970484 +	ITGA1	ENST00000315757	chr15	88313779 +	ADAMTS13	ENST00000286744	chr15	83970484 +	N.CDS-CDS	0	0	0	0	Out-of-frame
ITGA2-RNF180	chr5	52989532 +	chr5	64325186 +	ITGA2	ENST00000296585	chr5	52989532 +	RNF180	ENST00000389720	chr5	64325186 +	N.CDS-CDS	0	0	0	0	Out-of-frame
ITGA2-PARP8	chr5	52989532 +	chr5	50759643 +	ITGA2	ENST00000296585	chr5	52989532 +	PARP8	ENST00000281631	chr5	50759643 +	Y.CDS-CDS	0	0	0	0	In-frame
ITGA2-MYO18B	chr5	52989532 +	chr22	25992363 +	ITGA2	ENST00000296585	chr5	52989532 +	MYO18B	ENST00000335473	chr22	25992363 +	Y.CDS-CDS	0	0	0	0	In-frame
ITGA2-CEACAM21	chr5	53083453 +	chr19	41577200 +	ITGA2	ENST00000296585	chr5	53083453 +	CEACAM21	ENST00000187608	chr19	41577200 +	N.CDS-CDS.67X	0	0	0	0	CDS-SUTR
ITGA3-NDUFV1	chr17	50090480 +	chr17	67008226 +	ITGA3	ENST00000320031	chr17	50090480 +	NDUFV1	ENST00000528314	chr17	67008226 +	N.3UTR-SUTR	0	0	0	0	NA
ITGA3-EIF2AK2	chr17	50090480 +	chr2	37115241 +	ITGA3	ENST00000007722	chr17	50090480 +	EIF2AK2	ENST00000233057	chr2	37115241 +	N.ND-ND-1X	0	0	0	0	NA
ITGA4-UBE2E2	chr2	181458317 +	chr2	23499608 +	ITGA4	ENST00000233573	chr2	181458317 +	UBE2E2	ENST00000396703	chr2	23499608 +	N.CDS-CDS	0	0	0	0	Out-of-frame
ITGA4-UBE2E3	chr2	181458317 +	chr2	18106665 +	ITGA4	ENST00000397033	chr2	181458317 +	UBE2E3	ENST00000392479	chr2	18106665 +	Y.CDS-CDS	0	0	0	0	Out-of-frame
ITGA5-GTSF1	chr12	54401373 +	chr12	54465167 +	ITGA5	ENST00000293379	chr12	54401373 +	GTSF1	ENST00000305979	chr12	54465167 +	N.CDS-CDS.29X	0	0	0	0	Out-of-frame
ITGA5-GTSF1	chr12	54407649 +	chr12	54463297 +	ITGA5	ENST00000293379	chr12	54407649 +	GTSF1	ENST00000305979	chr12	54463297 +	Y.CDS-CDS	0	0	0	0	In-frame
ITGA5-MMP9	chr12	54411834 +	chr12	46014124 +	ITGA5	ENST00000293379	chr12	54411834 +	MMP9	ENST00000372330	chr12	46014124 +	Y.CDS-CDS	0	1	0	0	Out-of-frame
ITGA6-MYO3B	chr2	172427970 +	chr2	17035385 +	ITGA6	ENST00000409080	chr2	172427970 +	MYO3B	ENST00000317935	chr2	17035385 +	Y.CDS-CDS	0	1	1	2	Out-of-frame
ITGA6-MYO3B	chr2	172427970 +	chr2	17035385 +	ITGA6	ENST00000409080	chr2	172427970 +	MYO3B	ENST00000317935	chr2	17035385 +	Y.CDS-CDS	0	1	1	2	Out-of-frame
ITGA6-RAPGEF4	chr2	172491523 +	chr2	173033914 +	ITGA6	ENST00000264107	chr2	172491523 +	RAPGEF4	ENST00000397081	chr2	173033914 +	Y.CDS-CDS	0	1	0	0	In-frame
ITGA6-UBE3L	chr2	172506274 +	chr12	109481637 +	ITGA6	ENST00000409080	chr2	172506274 +	UBE3L	ENST00000340074	chr12	109481637 +	N.3UTR-SUTR.65X	0	0	1	3	3UTR-SUTR
ITGA7-MYRF1	chr12	55695522 +	chr12	69955363 +	ITGA7	ENST00000264741	chr12	55695522 +	MYRF1	ENST00000547771	chr12	69955363 +	Y.CDS-CDS	0	1	0	0	Out-of-frame
ITGA9-CTDSP1	chr3	37481607 +	chr3	37947057 +	ITGA9	ENST00000264741	chr3	37481607 +	CTDSP1	ENST00000443503	chr3	37947057 +	Y.CDS-CDS	0	1	0	0	Out-of-frame
ITGA9-CTDSP1	chr3	37481607 +	chr3	37947057 +	ITGA9	ENST00000264741	chr3	37481607 +	CTDSP1	ENST00000443503	chr3	37947057 +	Y.CDS-CDS	0	1	0	0	Out-of-frame
ITGA9-ZNF48	chr3	37542585 +	chr3	30395780 +	ITGA9	ENST00000264741	chr3	37542585 +	ZNF48	ENST00000320199	chr3	30395780 +	Y.CDS-SUTR	0	0	0	0	NA
ITGA9-MYO18B	chr3	37542585 +	chr3	44836371 +	ITGA9	ENST00000264741	chr3	37542585 +	MYO18B	ENST00000458134	chr3	44836371 +	N.3UTR-SUTR	0	0	0	0	CDS-SUTR
ITGA9-SEC13	chr3	37750569 +	chr3	10305692 +	ITGA9	ENST00000264741	chr3	37750569 +	SEC13	ENST00000337354	chr3	10305692 +	Y.CDS-CDS	0	1	0	0	In-frame
ITGAV-PDE11A	chr2	186590523 +	chr2	177905187 +	ITGAV	ENST00000261023	chr2	186590523 +	PDE11A	ENST00000286063	chr2	177905187 +	N.CDS-CDS	0	0	0	0	Out-of-frame
ITGAV-IFT172	chr2	186602151 +	chr2	27485503 +	ITGAV	ENST00000261023	chr2	186602151 +	IFT172	ENST00000260570	chr2	27485503 +	N.CDS-CDS	0	0	0	0	Out-of-frame
ITGAV-ARHGAP15	chr2	186669814 +	chr2	143228581 +	ITGAV	ENST00000261023	chr2	186669814 +	ARHGAP15	ENST00000295955	chr2	143228581 +	N.CDS-CDS.33X	0	0	0	0	Out-of-frame
ITGAV-FARP2	chr2	186669814 +	chr2	24148962 +	ITGAV	ENST00000261023	chr2	186669814 +	FARP2	ENST00000264042	chr2	24148962 +	Y.CDS-CDS	0	1	1	1	In-frame
ITGB1-RNF180	chr16	49272303 +	chr16	49272303 +	ITGB1	ENST00000390303	chr16	49272303 +	RNF180	ENST00000296445	chr16	49272303 +	Y.CDS-CDS	0	0	0	0	In-frame
ITGB3BP-TTC39A	chr1	63478764 +	chr1	63478764 +	ITGB3BP	ENST00000271002	chr1	63478764 +	TTC39A	ENST00000262675	chr1	63478764 +	Y.CDS-CDS	0	0	0	0	In-frame
ITGB4-MYO15B	chr17	75721612 +	chr17	75721612 +	ITGB4	ENST00000200181	chr17	75721612 +	MYO15B	ENST00000577948	chr17	75721612 +	N.3UTR-SUTR	0	0	0	0	NA
ITGB4-OTOP2	chr17	75721612 +	chr17	74930279 +	ITGB4	ENST00000200181	chr17	75721612 +	OTOP2	ENST00000331427	chr17	74930279 +	N.3UTR-SUTR	0	0	0	0	NA
ITGB4-LLGL2	chr17	75727505 +	chr17	75727505 +	ITGB4	ENST00000200181	chr17	75727505 +	LLGL2	ENST00000167462	chr17	75727505 +	Y.CDS-CDS	0	1	0	0	Out-of-frame
ITGB4-SAP30BP	chr17	75737644 +	chr17	75737644 +	ITGB4	ENST00000200181	chr17	75737644 +	SAP30BP	ENST00000293208	chr17	75737644 +	Y.CDS-CDS	0	0	0	0	Out-of-frame
ITGB4-ISPAN10	chr17	75751111 +	chr17	81644992 +	ITGB4	ENST00000200181	chr17	75751111 +	ISPAN10	ENST00000557107	chr17	81644992 +	N.CDS-SUTR.1X	0	0	0	0	Out-of-frame
ITGB4-SLC16A5	chr17	75757817 +	chr17	75908938 +	ITGB4	ENST00000200181	chr17	75757817 +	SLC16A5	ENST00000348225	chr17	75908938 +	Y.CDS-CDS	0	0	0	0	In-frame
ITGB4-PTN	chr17	75757817 +	chr17	137253637 +	ITGB4	ENST00000200181	chr17	75757817 +	PTN	ENST00000348225	chr17	137253637 +	N.3UTR-SUTR.60X	0	0	1	3	3UTR-CDS
ITGB4-PLEKH2	chr17	75757817 +	chr17	131118891 +	ITGB4	ENST00000200181	chr17	75757817 +	PLEKH2	ENST00000409279	chr17	131118891 +	Y.3UTR-SUTR.16X	0	0	0	0	3UTR-SUTR
ITGB5-HDAC9	chr3	124769013 +	chr3	18496262 +	ITGB5	ENST00000296181	chr3	124769013 +	HDAC9	ENST00000401921	chr3	18496262 +	Y.CDS-SUTR	0	0	0	0	CDS-SUTR
ITGB5-PARP14	chr3	124769013 +	chr3	122708190 +	ITGB5	ENST00000296181	chr3	124769013 +	PARP14	ENST00000406083	chr3	122708190 +	N.CDS-CDS.14X	0	0	0	0	Out-of-frame
ITGB5-ZNF148	chr3	124819022 +	chr3	125313656 +	ITGB5	ENST00000296181	chr3	124819022 +	ZNF148	ENST00000360647	chr3	125313656 +	N.CDS-SUTR.13X	0	0	0	0	CDS-SUTR
ITGB5-SLC12A8	chr3	124819022 +	chr3	125135752 +	ITGB5	ENST00000296181	chr3	124819022 +	SLC12A8	ENST00000393949	chr3	125135752 +	N.CDS-CDS.14X	0	0	0	0	CDS-SUTR
ITGB5-PDLIM5	chr3	124859242 +	chr3	94586408 +	ITGB5	ENST00000296181	chr3	124859242 +	PDLIM5	ENST00000312007	chr3	94586408 +	Y.CDS-CDS	0	0	0	0	Out-of-frame
ITGB5-PDLIM5	chr3	124859242 +	chr3	94586408 +	ITGB5	ENST00000296181	chr3	124859242 +	PDLIM5	ENST00000514743	chr3	94586408 +	Y.CDS-CDS	0	1	0	0	Out-of-frame
ITGB5-PDLIM5	chr3	124859242 +	chr4	94586408 +	ITGB5	ENST00000296181	chr3	124859242 +	PDLIM5	ENST00000317968	chr4	94586408 +	Y.CDS-CDS	0	1	0	0	Out-of-frame
ITGB6-CNOT2	chr2	160107679 +	chr12	70337389 +	ITGB6	ENST00000409872	chr2	160107679 +	CNOT2	ENST00000229195	chr12	70337389 +	N.CDS-CDS.50X	0	1	1	1	Out-of-frame
ITGB6-RBMS1	chr2	160141982 +	chr2	160287084 +	ITGB6	ENST00000283249	chr2	160141982 +	RBMS1	ENST00000348849	chr2	160287084 +	N.CDS-CDS.27X	0	0	0	0	Out-of-frame
ITGB6-SHP30ZB	chr2	160189212 +	chr2	160277392 +	ITGB6	ENST00000283249	chr2	160189212 +	SHP30ZB	ENST00000311601	chr2	160277392 +	Y.CDS-CDS	0	0	0	0	In-frame
ITGB6-RBMS1	chr2	160173074 +	chr2	160303487 +	ITGB6	ENST00000283249	chr2	160173074 +	RBMS1	ENST00000348849	chr2	160303487 +	Y.CDS-CDS	0	0	0	0	In-frame
ITGB6-RBMS1	chr2	160195369 +	chr2	160318227 +	ITGB6	ENST00000283249	chr2	160195369 +	RBMS1	ENST00000348849	chr2	160318227 +	Y.CDS-CDS	0	0	0	0	In-frame
ITGB6-RBMS1	chr2	160191179 +	chr2	160285044 +	ITGB6	ENST00000283249	chr2	160191179 +	RBMS1	ENST00000348849	chr2	160285044 +	Y.CDS-CDS	0	0	0	0	In-frame
ITGB8-ATM	chr7	20363722 +	chr11	108267171 +	ITGB8	ENST00000222573	chr7	20363722 +	ATM	ENST00000278616	chr11	108267171 +	Y.CDS-CDS	0	1	0	0	Out-of-frame
ITIH2-TAF3	chr10	7713285 +	chr10	8009078 +	ITIH2	ENST00000358415	chr10	7713285 +	TAF3	ENST00000344293	chr10	8009078 +	Y.CDS-CDS	0	0	0	0	Out-of-frame
ITLN1-JCN	chr1	160876539 +	chr12	91145734 +	ITLN1	ENST00000326245	chr1	160876539 +	JCN	ENST00000052754	chr12	91145734 +	N.3UTR-SUTR	0	0	0	0	NA
ITLN1-NDUFV1	chr1	160876539 +	chr1	160876539 +	ITLN1	ENST00000326245	chr1	160876539 +	NDUFV1	ENST00000375201	chr1	160876539 +	N.3UTR-SUTR	0	0	0	0	NA
ITLN1-C3	chr1	160883428 +	chr19	6702579 +	ITLN1	ENST00000326245	chr1	160883428 +	C3	ENST00000245007</								

KHDRBS2-LMBRD1	ch6	69676541	ch6	62285858	LMBRD1	ENST00000370570	ch6	69676541	ch6	YCCDS-CDS	0	0	1	1er1	In-frame	
KHDRBS3-EFR3A	ch8	135457954	ch8	131996406	EFR3A	ENST00000254624	ch8	131996406	ch8	YCCDS-CDS	0	0	1	0	0	
KHDRBS3-ANXA13	ch8	135457954	ch8	131996406	ANXA13	ENST00000254624	ch8	131996406	ch8	YCCDS-CDS	0	0	1	1er1	In-frame	
KHDRBS3-PACRG	ch8	135457270	ch8	135026150	PACRG	ENST00000337019	ch8	135026150	ch8	YCCDS-CDS	0	0	1	1er1	In-frame	
KHDRBS3-AD1	ch8	35009093	ch8	35009093	AD1	ENST00000327435	ch8	35009093	ch8	YCCDS-CDS	0	0	1	0	0	
KHSRP-CD70	ch19	6148483	ch19	6590136	CD70	ENST00000245903	ch19	6590136	ch19	YCCDS-CDS	0	0	1	1er1	In-frame	
KIAA100-SEZ6	ch17	28618791	ch17	28698952	SEZ6	ENST00000173388	ch17	28698952	ch17	YCCDS-CDS	0	0	1	1er1	In-frame	
KIAA100-ALKBH5	ch17	28643610	ch17	18206815	ALKBH5	ENST00000399138	ch17	18206815	ch17	N.SUTR-CDS	0	0	0	1	1er1	In-frame
KIAA101-MAG1	ch5	14193860	ch5	65470362	MAG1	ENST00000339099	ch5	65470362	ch5	YCCDS-CDS	0	0	1	0	0	
KIAA195-NUP85	ch17	75471929	ch17	75208527	NUP85	ENST00000245544	ch17	75208527	ch17	YCCDS-CDS	0	0	1	1er1	In-frame	
KIAA195-TMEM104	ch17	75486426	ch17	74835927	TMEM104	ENST00000335464	ch17	74835927	ch17	YCCDS-CDS	0	0	1	1er1	In-frame	
KIAA232-MRFAP1	ch4	6782841	ch4	6640828	MRFAP1	ENST00000320912	ch4	6640828	ch4	N.SUTR-SUTR	0	0	1	1er4	In-frame	
KIAA232-LRCH3	ch4	6824684	ch3	197814908	LRCH3	ENST00000334859	ch3	197814908	ch3	N.CDS-CDS.3X	0	0	1	1er1	Out-of-frame	
KIAA232-INPP4B	ch4	6824684	ch4	142028914	INPP4B	ENST00000513000	ch4	142028914	ch4	N.CDS-CDS.1X	0	0	1	1er1	Out-of-frame	
KIAA232-TBC1D14	ch4	6842204	ch4	6994184	TBC1D14	ENST00000409757	ch4	6994184	ch4	YCCDS-CDS	0	0	1	0	0	
KIAA232-MAN2B2	ch4	6976757	ch4	6909107	MAN2B2	ENST00000285959	ch4	6909107	ch4	N.CDS-CDS.58X	0	0	1	1er1	Out-of-frame	
KIAA232-PHC2	ch4	354225019	ch4	354225019	PHC2	ENST00000392422	ch4	354225019	ch4	N.CDS-CDS.53X	0	0	1	0	0	
KIAA319L-GOLGA1	ch1	35506612	ch1	124890478	GOLGA1	ENST00000373555	ch1	124890478	ch1	YCCDS-CDS	0	0	1	1er1	In-frame	
KIAA319L-ODF2L	ch1	35506612	ch1	86372540	ODF2L	ENST00000294678	ch1	86372540	ch1	YCCDS-CDS	0	0	1	1er3	In-frame	
KIAA319L-UBA6	ch1	35506612	ch4	67668674	UBA6	ENST00000322244	ch4	67668674	ch4	YCCDS-CDS	0	0	1	1er1	In-frame	
KIAA319L-EIF4G3	ch1	35554350	ch1	21089213	EIF4G3	ENST00000356916	ch1	21089213	ch1	N.CDS-SUTR	0	0	1	1er1	Out-of-frame	
KIAA319L-DLGA3	ch1	35554350	ch1	34869089	DLGA3	ENST00000373347	ch1	34869089	ch1	N.CDS-CDS	0	0	1	0	0	
KIAA319L-CIR2	ch1	35557237	ch15	78111276	CIR2	ENST00000258939	ch15	78111276	ch15	N.SUTR-CDS	0	0	1	0	1	0
KIAA355-C19orf47	ch19	34300968	ch19	40341890	C19orf47	ENST00000295051	ch19	40341890	ch19	YCCDS-CDS	0	0	1	0	0	
KIAA355-SL-C7A9	ch19	34349153	ch19	32833323	SLC7A9	ENST00000230664	ch19	32833323	ch19	N.CDS-CDS.47X	0	0	1	1er1	Out-of-frame	
KIAA368-PACS1	ch9	111420017	ch9	66232960	PACS1	ENST00000320580	ch9	66232960	ch9	N.CDS-CDS.29X	0	0	1	1er1	Out-of-frame	
KIAA368-C9orf84	ch9	111472897	ch9	111478199	C9orf84	ENST00000318737	ch9	111478199	ch9	YCCDS-CDS	0	0	1	1er2	In-frame	
KIAA368-WNK2	ch9	111484116	ch9	93229696	WNK2	ENST00000297954	ch9	93229696	ch9	N.CDS-CDS	0	0	1	1er2	In-frame	
KIAA391-FAM177A	ch14	35180777	ch14	35077150	FAM177A	ENST00000280897	ch14	35077150	ch14	YCCDS-CDS	0	1	2	1er1	In-frame	
KIAA391-ANKP	ch14	35180777	ch14	32821402	ANKP	ENST00000294488	ch14	32821402	ch14	YCCDS-CDS	0	0	1	1er1	Out-of-frame	
KIAA556-NECAB2	ch16	83972151	ch16	83972151	NECAB2	ENST00000350502	ch16	83972151	ch16	YCCDS-CDS	0	0	1	1er3	In-frame	
KIAA586-MPP5	ch14	58444175	ch14	67332780	MPP5	ENST00000261681	ch14	67332780	ch14	YCCDS-CDS	0	0	1	1er2	In-frame	
KIAA907-CD276	ch1	155917499	ch15	73709648	CD276	ENST00000318424	ch15	73709648	ch15	N.CDS-CDS.25X	0	0	1	1er1	Out-of-frame	
KIAA907-ARHGEF2	ch1	155921375	ch1	155969300	ARHGEF2	ENST00000313667	ch1	155969300	ch1	YCCDS-CDS	0	0	1	1er1	In-frame	
KIAA907-ARHGEF2	ch1	155923627	ch1	155966479	ARHGEF2	ENST00000313667	ch1	155966479	ch1	YCCDS-CDS	0	0	1	1er1	In-frame	
KIAA922-ARHGEF2	ch1	155923627	ch4	153350684	NPI2	ENST00000240488	ch4	153350684	ch4	N.CDS-CDS	0	0	1	1er2	Out-of-frame	
KIAA922-ARFP1	ch4	153550141	ch4	152870753	ARFP1	ENST00000358177	ch4	152870753	ch4	N.CDS-CDS	0	0	1	1er3	Out-of-frame	
KIAA922-MND1	ch4	153604426	ch4	153604426	MND1	ENST00000240488	ch4	153604426	ch4	N.CDS-CDS.48X	0	0	1	1er4	Out-of-frame	
KIAA930-SMC1B	ch22	45211956	ch22	45345569	SMC1B	ENST00000357450	ch22	45345569	ch22	YCCDS-CDS	0	1	0	0	0	
KIAA930-SMC1B	ch22	45211956	ch22	45345569	SMC1B	ENST00000357450	ch22	45345569	ch22	YCCDS-CDS	0	1	0	0	0	
KIAA930-SMC1B	ch22	45211956	ch22	45345569	SMC1B	ENST00000357450	ch22	45345569	ch22	YCCDS-CDS	0	1	0	0	0	
KIAA930-ANK3	ch22	45240640	ch22	45240640	ANK3	ENST00000355288	ch22	45240640	ch22	YCCDS-CDS	0	1	0	0	0	
KIAA1033-TER1	ch5	12852654	ch5	12852654	TER1	ENST00000310311	ch5	12852654	ch5	YCCDS-CDS	0	0	1	1er2	In-frame	
KIAA1033-PCDH9	ch12	105140401	ch13	66903605	PCDH9	ENST00000544246	ch13	66903605	ch13	YCCDS-ND.8X	0	0	1	1er4	In-frame	
KIAA1033-PCDH9	ch12	105140401	ch13	66903605	PCDH9	ENST00000377865	ch13	66903605	ch13	YCCDS-CDS	0	0	1	1er4	In-frame	
KIAA109-C2NA2	ch4	122154112	ch4	121821091	C2NA2	ENST00000274026	ch4	121821091	ch4	N.SUTR-CDS	0	0	3	1er1	Out-of-frame	
KIAA109-NFKB1	ch4	122154112	ch4	102255512	NFKB1	ENST00000226574	ch4	102255512	ch4	N.SUTR-SUTR	0	0	1	1er1	Out-of-frame	
KIAA109-FSIP2	ch4	122289192	ch2	185828156	FSIP2	ENST00000415915	ch2	185828156	ch2	N.CDS-SUTR	0	0	1	0	0	
KIAA119-NCF1B	ch5	176516313	ch5	176516313	NCF1B	ENST00000262869	ch5	176516313	ch5	N.CDS-SUTR	0	0	1	1er1	In-frame	
KIAA1211-STAM1	ch4	56179430	ch4	56179430	STAM1	ENST00000297885	ch4	56179430	ch4	N.SUTR-SUTR.1X	0	0	1	1er1	In-frame	
KIAA1211-SCFD2	ch4	56179430	ch4	52907591	SCFD2	ENST0000041642	ch4	52907591	ch4	N.SUTR-CDS.5X	0	0	1	1er1	Out-of-frame	
KIAA1211-NMU	ch4	56179430	ch4	56530460	NMU	ENST00000264218	ch4	56530460	ch4	N.SUTR-SUTR.1X	0	0	1	1er1	Out-of-frame	
KIAA1217-FBXO18	ch10	23695234	ch10	5906037	FBXO18	ENST00000362091	ch10	5906037	ch10	N.SUTR-CDS	0	0	1	1er1	Out-of-frame	
KIAA1217-LPP	ch10	24239337	ch10	188524665	LPP	ENST00000416784	ch10	188524665	ch10	N.SUTR-CDS.8X	0	0	1	1er1	NA	
KIAA1217-PFKFB3	ch10	24255596	ch10	6213623	PFKFB3	ENST00000317350	ch10	6213623	ch10	N.ND-CDS.13X	0	0	1	1er3	Out-of-frame	
KIAA1217-SPAG6	ch10	24328453	ch10	24328453	SPAG6	ENST00000330131	ch10	24328453	ch10	YCCDS-CDS	0	0	1	0	0	
KIAA1217-C10orf67	ch10	23322537	ch10	23322537	C10orf67	ENST00000323327	ch10	23322537	ch10	YCCDS-CDS	0	0	1	0	0	
KIAA1244-MED20	ch6	138242994	ch6	41909522	MED20	ENST00000265550	ch6	41909522	ch6	YCCDS-CDS	0	0	1	1er3	In-frame	
KIAA1324L-ABCA13	ch7	86918442	ch7	48268980	ABCA13	ENST00000417403	ch7	48268980	ch7	N.3UTR-SUTR.1X	0	0	1	1er3	Out-of-frame	
KIAA1328-SUPT3H	ch18	36835376	ch18	44829857	SUPT3H	ENST00000371458	ch18	44829857	ch18	YCCDS-CDS	0	0	1	0	0	
KIAA1328-SUPT3H	ch18	36835376	ch18	44829857	SUPT3H	ENST00000371458	ch18	44829857	ch18	YCCDS-CDS	0	0	1	0	0	
KIAA1328-SUPT3H	ch18	36835376	ch18	44829857	SUPT3H	ENST00000371458	ch18	44829857	ch18	N.CDS-CDS	0	0	1	0	0	
KIAA1328-LIMCH1	ch18	36959435	ch4	41661420	LIMCH1	ENST00000513024	ch4	41661420	ch4	YCCDS-CDS	0	0	1	1er2	In-frame	
KIAA1429-FAM40B	ch8	94499374	ch8	129970995	FAM40B	ENST00000419179	ch8	129970995	ch8	N.CDS-SUTR.85X	0	0	1	1er2	CDS-SUTR	
KIAA1429-SYBU	ch8	94534839	ch8	109619039	SYBU	ENST00000399066	ch8	109619039	ch8	YCCDS-CDS	0	1	2	1er1	In-frame	
KIAA1429-PNLRP1	ch8	94534839	ch10	116591130	PNLRP1	ENST00000358834	ch10	116591130	ch10	N.CDS-CDS.3X	0	0	1	1er4	Out-of-frame	
KIAA1429-CPAB	ch8	94534839	ch8	67624251	CPAB	ENST00000297770	ch8	67624251	ch8	N.CDS-CDS	0	0	1	1er2	Out-of-frame	
KIAA1430-CCDC110	ch4	185175786	ch4	185175786	CCDC110	ENST00000307588	ch4	185175786	ch4	N.CDS-CDS.45X	0	0	1	1er2	Out-of-frame	
KIAA1430-CCDC110	ch4	185175786	ch4	185175786	CCDC110	ENST00000307588	ch4	185175786	ch4	N.CDS-CDS.46X	0	0	1	1er2	Out-of-frame	
KIAA1430-AADAT	ch4	185190143	ch4	170087248	AADAT	ENST00000337664	ch4	170087248	ch4	N.CDS-CDS.40X	0	0	1	1er1	Out-of-frame	
KIAA1432-BNC2	ch9	5656890	ch9	16583085	BNC2	ENST00000471301	ch9	16583085	ch9	YCCDS-CDS	0	1	1er2	1er1	In-frame	
KIAA1432-BNC2	ch9	5656890	ch9	16583085	BNC2	ENST00000380666	ch9	16583085	ch9	N.CDS-CDS	0	1	1er2	1er1	In-frame	
KIAA1432-LARS	ch9	5757451	ch5	146135664	LARS	ENST00000274562	ch5	146135664	ch5	YCCDS-CDS	0	1	1er1	1er1	In-frame	
KIAA1468-NFATC1	ch18	62188031	ch18	79257528	NFATC1	ENST00000253506	ch18	79257528	ch18	N.CDS-CDS.5X	0	0	1	1er1	Out-of-frame	
KIAA1549-C7orf66	ch7	138861139	ch7	108848584	C7orf66	ENST00000246965	ch7	108848584	ch7	N.CDS-SUTR.4X	0	0	1	1er2	In-frame	
KIAA1598-PDZD8	ch10	117290348	ch10	117290348	PDZD8	ENST00000334464	ch10	117290348	ch10	YCCDS-CDS	0	0	1	0	0	
KIAA1644-TLL12	ch22	44380879	ch22	44380879	TLL12	ENST00000216129	ch22	44380879	ch22	N.CDS-CDS	0	0	1	0	0	
KIAA1671-CRKL	ch22	25029540	ch22	25029540	CRKL	ENST00000354336										

KIF3B-PXMP4	chr20	33714736 +	chr20	33714736 +	KIF3B	ENST0000037712	chr20	32318874 +	PXMP4	ENST00000217398	chr20	33714736 +	YCCDS-CDS	0	1	0	--
KIF3C-SNTG2	chr2	25980373 +	chr2	25980373 +	KIF3C	ENST00000264712	chr2	25980373 +	SNTG2	ENST00000308624	chr2	1083518 +	YCCDS-CDS	0	1	0	--
KIF3C-ADCY2	chr2	25980373 +	chr2	25980373 +	KIF3C	ENST00000264712	chr2	25980373 +	ADCY2	ENST00000260620	chr2	24872719 +	YCCDS-CDS	0	1	0	--
KIF3C-RBK3	chr2	25980373 +	chr2	27781788 +	KIF3C	ENST00000264712	chr2	25980373 +	RBK3	ENST00000302188	chr2	27781788 +	YCCDS-CDS	0	1	1er1	In-frame
KIF3C-SRM	chr2	25980373 +	chr1	11059345 +	KIF3C	ENST00000405914	chr2	25980373 +	SRM	ENST00000376957	chr1	11059345 +	N.CDS-CDS:15X	0	1	1er1	Out-of-frame
KIF5A-NAV3	chr12	78200473 +	chr12	78200473 +	KIF5A	ENST00000286452	chr12	57583215 +	NAV3	ENST00000397909	chr12	78200473 +	N.3UTR-CDS:55X	0	0	1er1	3UTR-CDS
KIF5B-MET	chr10	32017143 +	chr7	116771849 +	KIF5B	ENST00000302418	chr10	32017143 +	MET	ENST00000318493	chr7	116771849 +	YCCDS-CDS	0	0	1er4	In-frame
KIF5B-EP1	chr10	32028428 +	chr10	32273281 +	KIF5B	ENST00000302418	chr10	32028428 +	EP1	ENST00000263062	chr10	32273281 +	N.CDS-CDS:57X	0	0	1er1	Out-of-frame
KIF5B-SVL	chr10	32048464 +	chr10	29868651 +	KIF5B	ENST00000302418	chr10	32048464 +	SVL	ENST00000375400	chr10	29868651 +	N.CDS-SUTR:7X	0	0	1er1	CDS-SUTR
KIF5B-HHAT	chr10	32048464 +	chr1	210464505 +	KIF5B	ENST00000302418	chr10	32048464 +	HHAT	ENST00000261458	chr1	210464505 +	YCCDS-CDS	0	0	1er1	In-frame
KIF5B-HP5A	chr10	32048464 +	chr22	26464826 +	KIF5B	ENST00000302418	chr10	32048464 +	HP5A	ENST00000336873	chr22	26464826 +	N.CDS-CDS	0	0	1er1	Out-of-frame
KIF5C-STK39	chr2	148875743 +	chr2	168182090 +	KIF5C	ENST00000435030	chr2	148875743 +	STK39	ENST00000355999	chr2	168182090 +	N.CDS-CDS:2X	0	0	1er1	Out-of-frame
KIF5C-TTN	chr2	148875743 +	chr2	178675995 +	KIF5C	ENST00000435030	chr2	148875743 +	TTN	ENST00000342992	chr2	178675995 +	N.CDS-CDS:48X	0	0	1er2	Out-of-frame
KIF6G-GULP1	chr2	149011683 +	chr2	186593940 +	KIF6G	ENST00000435030	chr2	149011683 +	GULP1	ENST00000359135	chr2	186593940 +	Y.3UTR-CDS:1X	0	0	1er1	3UTR-CDS
KIF9-DYX1	chr3	47262495 +	chr3	149024053 +	KIF9	ENST00000265529	chr3	47262495 +	DYX1	ENST00000296948	chr3	149024053 +	N.5UTR-CDS:3X	0	0	1er1	3UTR-CDS
KIFAP3-COPA	chr1	16954011 +	chr1	160314125 +	KIFAP3	ENST00000367765	chr1	16954011 +	COPA	ENST00000241704	chr1	160314125 +	N.CDS-CDS:58X	0	0	1er1	Out-of-frame
KIFAP3-COPA	chr1	16954011 +	chr1	160313167 +	KIFAP3	ENST00000361580	chr1	16954011 +	COPA	ENST00000241704	chr1	160313167 +	YCCDS-CDS	0	0	1er2	In-frame
KIFAP3-C1orf112	chr1	170016462 +	chr1	169836927 +	KIFAP3	ENST00000361580	chr1	170016462 +	C1orf112	ENST00000286031	chr1	169836927 +	N.CDS-CDS:27X	0	0	1er1	Out-of-frame
KIFC3-CNGB1	chr16	57794999 +	chr16	57888074 +	KIFC3	ENST00000379655	chr16	57794999 +	CNGB1	ENST00000251102	chr16	57888074 +	N.CDS-CDS	0	0	1er1	Out-of-frame
KIRREL-CD1C	chr1	157993728 +	chr1	158291134 +	KIRREL	ENST00000359209	chr1	157993728 +	CD1C	ENST00000368170	chr1	158291134 +	YCCDS-CDS	0	1	0	--
KIRREL-DDR2	chr1	157993728 +	chr1	162655211 +	KIRREL	ENST00000359209	chr1	157993728 +	DDR2	ENST00000367921	chr1	162655211 +	YCCDS-SUTR:3X	0	0	1er3	CDS-SUTR
KIRREL-CD1A	chr1	157993728 +	chr1	158255084 +	KIRREL	ENST00000359209	chr1	157993728 +	CD1A	ENST00000289429	chr1	158255084 +	YCCDS-CDS	0	1	0	--
KIRREL-CD48	chr1	157993728 +	chr1	160685189 +	KIRREL	ENST00000359209	chr1	157993728 +	CD48	ENST00000368046	chr1	160685189 +	YCCDS-CDS	0	1	1er1	In-frame
KIRREL-HMMR	chr1	157993728 +	chr5	163463856 +	KIRREL	ENST00000359209	chr1	157993728 +	HMMR	ENST00000393915	chr5	163463856 +	YCCDS-CDS	0	1	0	--
KIRREL-HMMR	chr1	157993728 +	chr5	163463856 +	KIRREL	ENST00000359209	chr1	157993728 +	HMMR	ENST00000353866	chr5	163463856 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1A	chr1	157993728 +	chr1	158256786 +	KIRREL	ENST00000359209	chr1	157993728 +	CD1A	ENST00000289429	chr1	158256786 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1C	chr1	157993728 +	chr1	158291134 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1C	ENST00000368170	chr1	158291134 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1A	chr1	157993728 +	chr1	158255084 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1A	ENST00000289429	chr1	158255084 +	N.CDS-CDS	0	0	1er1	Out-of-frame
KIRREL-CD48	chr1	157993728 +	chr1	160685189 +	KIRREL	ENST00000368173	chr1	157993728 +	CD48	ENST00000368046	chr1	160685189 +	YCCDS-CDS	0	1	1er1	In-frame
KIRREL-HMMR	chr1	157993728 +	chr5	163463856 +	KIRREL	ENST00000368173	chr1	157993728 +	HMMR	ENST00000393915	chr5	163463856 +	YCCDS-CDS	0	1	0	--
KIRREL-HMMR	chr1	157993728 +	chr5	163463856 +	KIRREL	ENST00000368173	chr1	157993728 +	HMMR	ENST00000353866	chr5	163463856 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1A	chr1	157993728 +	chr1	158256786 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1A	ENST00000289429	chr1	158256786 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1C	chr1	157993728 +	chr1	158291134 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1C	ENST00000368170	chr1	158291134 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1A	chr1	157993728 +	chr1	158255084 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1A	ENST00000289429	chr1	158255084 +	N.CDS-CDS	0	0	1er1	Out-of-frame
KIRREL-CD48	chr1	157993728 +	chr1	160685189 +	KIRREL	ENST00000368173	chr1	157993728 +	CD48	ENST00000368046	chr1	160685189 +	YCCDS-CDS	0	1	1er1	In-frame
KIRREL-HMMR	chr1	157993728 +	chr5	163463856 +	KIRREL	ENST00000368173	chr1	157993728 +	HMMR	ENST00000393915	chr5	163463856 +	YCCDS-CDS	0	1	0	--
KIRREL-HMMR	chr1	157993728 +	chr5	163463856 +	KIRREL	ENST00000368173	chr1	157993728 +	HMMR	ENST00000353866	chr5	163463856 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1A	chr1	157993728 +	chr1	158256786 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1A	ENST00000289429	chr1	158256786 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1C	chr1	157993728 +	chr1	158291134 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1C	ENST00000368170	chr1	158291134 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1A	chr1	157993728 +	chr1	158255084 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1A	ENST00000289429	chr1	158255084 +	N.CDS-CDS	0	0	1er1	Out-of-frame
KIRREL-CD48	chr1	157993728 +	chr1	160685189 +	KIRREL	ENST00000368173	chr1	157993728 +	CD48	ENST00000368046	chr1	160685189 +	YCCDS-CDS	0	1	1er1	In-frame
KIRREL-HMMR	chr1	157993728 +	chr5	163463856 +	KIRREL	ENST00000368173	chr1	157993728 +	HMMR	ENST00000393915	chr5	163463856 +	YCCDS-CDS	0	1	0	--
KIRREL-HMMR	chr1	157993728 +	chr5	163463856 +	KIRREL	ENST00000368173	chr1	157993728 +	HMMR	ENST00000353866	chr5	163463856 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1A	chr1	157993728 +	chr1	158256786 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1A	ENST00000289429	chr1	158256786 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1C	chr1	157993728 +	chr1	158291134 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1C	ENST00000368170	chr1	158291134 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1A	chr1	157993728 +	chr1	158255084 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1A	ENST00000289429	chr1	158255084 +	N.CDS-CDS	0	0	1er1	Out-of-frame
KIRREL-CD48	chr1	157993728 +	chr1	160685189 +	KIRREL	ENST00000368173	chr1	157993728 +	CD48	ENST00000368046	chr1	160685189 +	YCCDS-CDS	0	1	1er1	In-frame
KIRREL-HMMR	chr1	157993728 +	chr5	163463856 +	KIRREL	ENST00000368173	chr1	157993728 +	HMMR	ENST00000393915	chr5	163463856 +	YCCDS-CDS	0	1	0	--
KIRREL-HMMR	chr1	157993728 +	chr5	163463856 +	KIRREL	ENST00000368173	chr1	157993728 +	HMMR	ENST00000353866	chr5	163463856 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1A	chr1	157993728 +	chr1	158256786 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1A	ENST00000289429	chr1	158256786 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1C	chr1	157993728 +	chr1	158291134 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1C	ENST00000368170	chr1	158291134 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1A	chr1	157993728 +	chr1	158255084 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1A	ENST00000289429	chr1	158255084 +	N.CDS-CDS	0	0	1er1	Out-of-frame
KIRREL-CD48	chr1	157993728 +	chr1	160685189 +	KIRREL	ENST00000368173	chr1	157993728 +	CD48	ENST00000368046	chr1	160685189 +	YCCDS-CDS	0	1	1er1	In-frame
KIRREL-HMMR	chr1	157993728 +	chr5	163463856 +	KIRREL	ENST00000368173	chr1	157993728 +	HMMR	ENST00000393915	chr5	163463856 +	YCCDS-CDS	0	1	0	--
KIRREL-HMMR	chr1	157993728 +	chr5	163463856 +	KIRREL	ENST00000368173	chr1	157993728 +	HMMR	ENST00000353866	chr5	163463856 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1A	chr1	157993728 +	chr1	158256786 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1A	ENST00000289429	chr1	158256786 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1C	chr1	157993728 +	chr1	158291134 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1C	ENST00000368170	chr1	158291134 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1A	chr1	157993728 +	chr1	158255084 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1A	ENST00000289429	chr1	158255084 +	N.CDS-CDS	0	0	1er1	Out-of-frame
KIRREL-CD48	chr1	157993728 +	chr1	160685189 +	KIRREL	ENST00000368173	chr1	157993728 +	CD48	ENST00000368046	chr1	160685189 +	YCCDS-CDS	0	1	1er1	In-frame
KIRREL-HMMR	chr1	157993728 +	chr5	163463856 +	KIRREL	ENST00000368173	chr1	157993728 +	HMMR	ENST00000393915	chr5	163463856 +	YCCDS-CDS	0	1	0	--
KIRREL-HMMR	chr1	157993728 +	chr5	163463856 +	KIRREL	ENST00000368173	chr1	157993728 +	HMMR	ENST00000353866	chr5	163463856 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1A	chr1	157993728 +	chr1	158256786 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1A	ENST00000289429	chr1	158256786 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1C	chr1	157993728 +	chr1	158291134 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1C	ENST00000368170	chr1	158291134 +	YCCDS-CDS	0	1	0	--
KIRREL-CD1A	chr1	157993728 +	chr1	158255084 +	KIRREL	ENST00000368173	chr1	157993728 +	CD1A	ENST00000289429	chr1	158255084 +	N.CDS-CDS	0	0	1er1	Out-of-frame
KIRREL-CD48	chr1	157993728 +	chr1	160685189 +	KIRREL	ENST00000368173	chr1	157993728 +	CD48	ENST00000							

KRT5-PLAT	chr12	5214575	chr8	42193727	KRT5	ENST00000252242	chr12	5214575	PLAT	ENST00000250253	chr8	42193727	N3UTR-SUTR-1X	0	0	1	chr3	NA
KRT5-DSP	chr12	52514577	chr6	7575295	KRT5	ENST00000252242	chr12	52514577	DSP	ENST00000378602	chr6	7575295	Y3UTR-CDS-1X	0	0	1	chr3	3UTR-CDS
KRT6A	chr12	52487174	chr12	52487174	KRT6A	ENST00000330722	chr12	52487174	DSP	ENST00000378602	chr12	52487174	NCDS-SUTR	0	0	1	chr4	NA
KRT6A-CXCR5	chr12	52487174	chr11	118883766	KRT6A	ENST00000330722	chr12	52487174	CXCR5	ENST00000292174	chr11	118883766	N3UTR-SUTR-1B	0	0	1	chr3	3UTR-SUTR
KRT6A-ELK3	chr12	96194545	chr12	96194545	KRT6A	ENST00000330722	chr12	96194545	ELK3	ENST00000228741	chr12	96194545	N3UTR-SUTR-1A	0	0	1	chr3	3UTR-SUTR
KRT6A-RFWD2	chr12	52487174	chr1	176160284	KRT6A	ENST00000330722	chr12	52487174	RFWD2	ENST00000308769	chr1	176160284	Y3UTR-ND-1X	0	0	1	chr3	NA
KRT6A-STAT6	chr12	52487174	chr12	57102990	KRT6A	ENST00000330722	chr12	52487174	STAT6	ENST00000555375	chr12	57102990	N3UTR-SUTR-1X	0	0	1	chr3	NA
KRT6A-ERBB3	chr12	52487174	chr12	5698251	KRT6A	ENST00000330722	chr12	52487174	ERBB3	ENST00000549832	chr12	5698251	Y3UTR-SUTR-5X	0	0	1	chr4	3UTR-SUTR
KSR1-MSI2	chr17	27456874	chr17	57401379	KSR1	ENST00000579309	chr17	27456874	MSI2	ENST00000284073	chr17	57401379	N5UTR-CDS	0	1	0	chr1	0
KSR1-PIPOX	chr17	27456874	chr17	29044859	KSR1	ENST00000579309	chr17	27456874	PIPOX	ENST00000232372	chr17	29044859	N5UTR-CDS	0	1	0	chr2	In-frame
KSR1-MSI2	chr17	27456874	chr17	57401379	KSR1	ENST00000506003	chr17	27456874	MSI2	ENST00000284073	chr17	57401379	YND-CDS	0	1	0	chr1	0
KSR1-EFCAB5	chr17	27560456	chr17	29968791	KSR1	ENST00000398985	chr17	27560456	EFCAB5	ENST00000394835	chr17	29968791	N5UTR-CDS	0	0	1	chr1	In-frame
KSR2-CEP290	chr12	117761011	chr12	8050433	KSR2	ENST00000338824	chr12	117761011	CEP290	ENST00000309041	chr12	8050433	NCDS-CDS-14X	0	0	1	chr1	In-frame
KTIN1-DRGX	chr14	55580354	chr14	49386858	KTIN1	ENST00000395308	chr14	55580354	DRGX	ENST00000374139	chr14	49386858	N5UTR-CDS	0	0	1	chr3	Out-of-frame
KTIN1-PRKCSH	chr14	55637847	chr19	11447693	KTIN1	ENST00000395308	chr14	55637847	PRKCSH	ENST00000565540	chr19	11447693	NCDS-3UTR-1X	0	0	1	chr4	In-frame
KTIN1-CCTS	chr14	55637847	chr5	10249521	KTIN1	ENST00000395308	chr14	55637847	CCTS	ENST00000280326	chr5	10249521	Y3UTR-SUTR-10X	0	1	1	chr3	3UTR-SUTR
L2HGDM-MAPK45	chr14	50312011	chr14	50448832	L2HGDM	ENST00000261699	chr14	50312011	MAPK45	ENST00000313125	chr14	50448832	NCDS-CDS	0	0	1	chr2	Out-of-frame
L3MBTL2-TEF	chr22	41209933	chr22	41387351	L3MBTL2	ENST00000216237	chr22	41209933	TEF	ENST00000266304	chr22	41387351	YCD5-CDS	0	1	0	chr1	0
L3MBTL2-EFCAB6	chr22	4124026	chr22	41387163	L3MBTL2	ENST00000216237	chr22	4124026	EFCAB6	ENST00000262726	chr22	41387163	YCD5-CDS	0	1	1	chr1	In-frame
L3MBTL3-WDR37	chr6	130022305	chr10	1072116	L3MBTL3	ENST00000361794	chr6	130022305	WDR37	ENST00000263150	chr10	1072116	N5UTR-SUTR	0	0	1	chr2	5UTR-SUTR
L3MBTL4-TRDM1	chr18	6237964	chr18	6237964	L3MBTL4	ENST00000317931	chr18	6237964	TRDM1	ENST00000313936	chr18	6237964	NCDS-CDS-1X	0	1	0	chr1	0
L3MBTL4-TRDM1T	chr18	6237964	chr18	6237964	L3MBTL4	ENST00000317931	chr18	6237964	TRDM1T	ENST00000377799	chr18	6237964	YCD5-CDS	0	1	0	chr2	5UTR-CDS
LACTB-RAB8B	chr15	63244756	chr15	63244756	LACTB	ENST00000413507	chr15	63244756	RAB8B	ENST00000321437	chr15	63244756	NCDS-CDS-16X	0	1	0	chr1	0
LACTB2-ITPR2	chr8	70638548	chr12	26483898	LACTB2	ENST00000522447	chr8	70638548	ITPR2	ENST00000381340	chr12	26483898	NCDS-CDS-14X	0	1	0	chr1	0
LACTB2-CYP7B1	chr8	70657756	chr8	70657756	LACTB2	ENST00000276590	chr8	70657756	CYP7B1	ENST00000310193	chr8	70657756	YCD5-CDS	0	1	1	chr1	In-frame
LAMA1-L3MBTL4	chr18	6138296	chr18	6138296	LAMA1	ENST00000389588	chr18	6138296	L3MBTL4	ENST00000317931	chr18	6138296	YCD5-CDS	0	1	0	chr1	0
LAMA2-C6orf58	chr6	128883357	chr6	128883357	LAMA2	ENST00000421865	chr6	128883357	C6orf58	ENST00000329722	chr6	128883357	YCD5-CDS	0	0	1	chr1	In-frame
LAMA2-SLC11A2	chr6	12919253	chr12	51010706	LAMA2	ENST00000421865	chr6	12919253	SLC11A2	ENST00000262051	chr12	51010706	NCDS-SUTR-38X	0	0	1	chr1	Out-of-frame
LAMA2-C1orf2	chr6	12919253	chr6	101676623	LAMA2	ENST00000421865	chr6	12919253	C1orf2	ENST00000332881	chr6	101676623	NCDS-CDS-38X	0	1	1	chr1	Out-of-frame
LAMA2-NUP107	chr6	129320655	chr12	68741813	LAMA2	ENST00000421865	chr6	129320655	NUP107	ENST00000229170	chr12	68741813	YCD5-CDS	0	1	1	chr1	In-frame
LAMA2-UQCRR	chr6	129369990	chr8	96233227	LAMA2	ENST00000421865	chr6	129369990	UQCRR	ENST00000287022	chr8	96233227	NCDS-CDS-128X	0	0	1	chr1	Out-of-frame
LAMA3-CABLES1	chr18	23188838	chr18	23188838	LAMA3	ENST00000313654	chr18	23188838	CABLES1	ENST00000256925	chr18	23188838	NCDS-CDS	0	0	1	chr3	Out-of-frame
LAMA3-PSMA8	chr18	23174072	chr18	23174072	LAMA3	ENST00000313654	chr18	23174072	PSMA8	ENST00000308268	chr18	23174072	YCD5-CDS	0	1	0	chr1	0
LAMA3-C18orf8	chr18	23174072	chr18	23174072	LAMA3	ENST00000313654	chr18	23174072	C18orf8	ENST00000269221	chr18	23174072	YCD5-CDS	0	1	0	chr1	0
LAMA3-C18orf8	chr18	23174072	chr18	23174072	LAMA3	ENST00000313654	chr18	23174072	C18orf8	ENST00000269221	chr18	23174072	YCD5-CDS	0	1	1	chr1	In-frame
LAMA3-NDUF8	chr18	23784157	chr11	68032923	LAMA3	ENST00000313654	chr18	23784157	NDUF8	ENST00000313468	chr11	68032923	YCD5-CDS	0	1	0	chr1	0
LAMA3-ADHFE1	chr18	23810503	chr18	23810503	LAMA3	ENST00000313654	chr18	23810503	ADHFE1	ENST00000396623	chr18	23810503	YCD5-CDS	0	1	0	chr1	0
LAMA3-COXC8	chr18	23847668	chr18	23847668	LAMA3	ENST00000313654	chr18	23847668	COXC8	ENST00000342144	chr18	23847668	NCDS-CDS-72X	0	0	1	chr1	Out-of-frame
LAMA3-SNAP25	chr18	23909212	chr20	10306195	LAMA3	ENST00000269217	chr18	23909212	SNAP25	ENST00000254976	chr20	10306195	NCDS-CDS-44X	0	1	0	chr1	0
LAMA3-OSBP1A	chr18	23933935	chr18	23933935	LAMA3	ENST00000269217	chr18	23933935	OSBP1A	ENST00000319481	chr18	23933935	YCD5-CDS	0	1	1	chr1	In-frame
LAMA3-SEC5C1	chr18	23952355	chr18	23952355	LAMA3	ENST00000269217	chr18	23952355	SEC5C1	ENST00000319481	chr18	23952355	NCDS-CDS	0	1	1	chr1	In-frame
LAMA3-ZNF521	chr18	23294924	chr18	23294924	LAMA3	ENST00000269217	chr18	23294924	ZNF521	ENST00000361524	chr18	23294924	YCD5-CDS	0	1	1	chr1	In-frame
LAMA4-PSAP	chr6	112172611	chr10	71822007	LAMA4	ENST00000424408	chr6	112172611	PSAP	ENST00000394934	chr10	71822007	YCD5-CDS	0	1	0	chr1	0
LAMA4-TSPAN18	chr6	112175313	chr11	44906407	LAMA4	ENST00000290358	chr6	112175313	TSPAN18	ENST00000340160	chr11	44906407	NCDS-SUTR-34X	0	0	1	chr1	CDS-SUTR
LAMA5-SEC63	chr20	62309065	chr20	62309065	LAMA5	ENST00000252999	chr20	62309065	SEC63	ENST00000369002	chr20	62309065	N3UTR-CDS-67X	0	0	1	chr4	NA
LAMA5-WFDC2	chr20	62309988	chr20	62309988	LAMA5	ENST00000252999	chr20	62309988	WFDC2	ENST00000217425	chr20	62309988	YCD5-SUTR	0	0	1	chr4	CDS-SUTR
LAMA5-C1orf2	chr20	62325316	chr16	14591787	LAMA5	ENST00000252999	chr20	62325316	C1orf2	ENST00000262318	chr16	14591787	NCDS-CDS	0	2	4	chr1	In-frame
LAMA5-CYSTM1	chr20	62329138	chr20	62329138	LAMA5	ENST00000252999	chr20	62329138	CYSTM1	ENST00000329111	chr20	62329138	NCDS-CDS-19X	0	1	1	chr1	0
LAMA5-NCOR2	chr20	62351704	chr12	124356806	LAMA5	ENST00000252999	chr20	62351704	NCOR2	ENST00000356219	chr12	124356806	NCDS-CDS-2X	0	0	1	chr1	Out-of-frame
LAMA5-CABLES2	chr20	62351704	chr20	62351704	LAMA5	ENST00000252999	chr20	62351704	CABLES2	ENST00000279101	chr20	62351704	YCD5-CDS	0	0	1	chr1	In-frame
LAMA5-CABLES2	chr20	62351704	chr20	62351704	LAMA5	ENST00000252999	chr20	62351704	CABLES2	ENST00000279101	chr20	62351704	YCD5-CDS	0	0	1	chr1	In-frame
LAMA5-UBN1	chr20	62362400	chr16	4868833	LAMA5	ENST00000252999	chr20	62362400	UBN1	ENST00000262376	chr16	4868833	YCD5-CDS	0	1	0	chr1	0
LAMB1-TYK2	chr7	10792803	chr19	10380676	LAMB1	ENST00000393561	chr7	10792803	TYK2	ENST00000529621	chr19	10380676	N3UTR-SUTR-13X	0	0	1	chr3	3UTR-SUTR
LAMB1-HBP1	chr7	10798602	chr7	107179819	LAMB1	ENST00000393561	chr7	10798602	HBP1	ENST00000229504	chr7	107179819	YCD5-SUTR	0	1	1	chr1	CDS-SUTR
LAMB1-PIUST	chr7	10798602	chr7	105457926	LAMB1	ENST00000393561	chr7	10798602	PIUST	ENST00000556362	chr7	105457926	YCD5-CDS	0	1	1	chr1	In-frame
LAMB1-NRCAM	chr7	10798602	chr7	10816492	LAMB1	ENST00000393561	chr7	10798602	NRCAM	ENST00000351718	chr7	10816492	YCD5-CDS	0	1	1	chr1	In-frame
LAMB1-ATXN7L1	chr7	10798602	chr7	105761463	LAMB1	ENST00000222399	chr7	10798602	ATXN7L1	ENST00000318724	chr7	105761463	YCD5-CDS	0	0	1	chr1	In-frame
LAMB1-PARP14	chr7	107994887	chr3	122727812	LAMB1	ENST00000393561	chr7	107994887	PARP14	ENST00000446289	chr3	122727812	YCD5-CDS	0	1	0	chr1	0
LAMB5-NAMPT	chr1	209622536	chr7	106254504	LAMB5	ENST00000356082	chr1	209622536	NAMPT	ENST00000225553	chr7	106254504	NCDS-CDS-22X	0	1	0	chr1	0
LAMC1-UTRN	chr1	183145592	chr6	144344101	LAMC1	ENST00000268841	chr1	183145592	UTRN	ENST00000421035	chr6	144344101	N3UTR-SUTR	0	0	1	chr3	NA
LAMC2-NMNAT2	chr1	183186431	chr1	183293793	LAMC2	ENST00000432923	chr1	183186431	NMNAT2	ENST00000421035	chr1	183293793	YCD5-CDS	0	1	1	chr1	In-frame
LAMC3-NPHF3	chr9	131041735	chr3	132704371	LAMC3	ENST00000361069	chr9	131041735	NPHF3	ENST00000337331	chr3	132704371	NCDS-CDS-11X	0	0	1	chr4	Out-of-frame
LAMC3-EIF2B3	chr9	131052965	chr1	44897444	LAMC3	ENST00000361069	chr9	131052965	EIF2B3	ENST00000360403	chr1	44897444	NCDS-CDS-14X	0	0	1	chr2	Out-of-frame
LAMP1-F7	chr																	

LR6-GPR37L1	chr1	202127741 +	chr1	202235993 +	LR6	ENST0000025432	chr1	202235993 +	GPR37L1	ENST00000367282	chr1	202127741 +	N-CDS-CDS	0	0	1	ter1	Out-of-frame	
LHF2L-PTPRK	chr5	78509784 -	chr6	12808992 -	LHF2L	ENST00000380345	chr5	78509784 -	PTPRK	ENST00000368207	chr6	12808992 -	Y-CDS-CDS	0	0	1	ter1	In-frame	
LHF2L-H12AC	chr5	78525613 -	chr6	14255117 -	LHF2L	ENST00000380345	chr5	78525613 -	H12AC	ENST00000371798	chr6	14255117 -	N-SUTR-CDS3X	0	0	1	ter1	In-frame	
LHF2L-H12AC	chr5	78523264 -	chr6	28138054 -	LHF2L	ENST00000380345	chr5	78523264 -	H12AC	ENST00000371798	chr6	28138054 -	N-SUTR-SUTR	0	0	1	ter1	SUTR-SUTR	
LHF3L-EEA1	chr7	92835427 -	chr12	92835427 -	LHF3L	ENST00000401970	chr7	92835427 -	EEA1	ENST00000323249	chr12	92835427 -	N-ND-ND:12X	0	0	1	ter4	NA	
LHPP-TANGOE	chr10	124484326 +	chr16	69022828 +	LHPP	ENST00000368839	chr10	124484326 +	TANGOE	ENST00000261778	chr16	69022828 +	Y-CDS-CDS	0	1	1	ter3	In-frame	
LHPP-FANK1	chr10	124517271 +	chr10	125980161 +	LHPP	ENST00000368842	chr10	124517271 +	FANK1	ENST00000368842	chr10	125980161 +	N-CDS-SUTR:7X	0	1	1	ter1	CDS-SUTR	
LIFR-C9	chr5	38439606 -	chr5	38439606 -	LIFR	ENST00000263409	chr5	38439606 -	C9	ENST00000263408	chr5	38439606 -	N-CDS-CDS:39X	0	1	0	0	0	0
LIFR-BCAS3	chr5	38496392 -	chr17	61368327 +	LIFR	ENST00000263409	chr5	38496392 -	BCAS3	ENST00000390652	chr17	61368327 +	Y-CDS-CDS	0	0	1	ter1	In-frame	
LIFR-PNLA8	chr5	38556334 -	chr7	108521521 +	LIFR	ENST00000453190	chr5	38556334 -	PNLA8	ENST00000257694	chr7	108521521 +	N-SUTR-SUTR:4X	0	0	1	ter4	SUTR-SUTR	
LIG3-HAP1	chr17	34991114 +	chr17	41718026 -	LIG3	ENST00000262327	chr17	34991114 +	HAP1	ENST00000442364	chr17	41718026 -	N-CDS-CDS:17X	0	0	1	ter3	NA	
LIG3-ZFAT	chr17	34994431 +	chr8	134478721 -	LIG3	ENST00000262327	chr17	34994431 +	ZFAT	ENST00000520356	chr8	134478721 -	Y-CDS-CDS	0	1	0	0	0	0
LMA1-TAOK3	chr12	50248633 -	chr12	118244965 -	LMA1	ENST00000341247	chr12	50248633 -	TAOK3	ENST00000392533	chr12	118244965 -	N-CDS-CDS	0	0	1	ter2	Out-of-frame	
LMA1-TRAPPC9	chr12	50248633 -	chr8	139988836 -	LMA1	ENST00000341247	chr12	50248633 -	TRAPPC9	ENST00000393228	chr8	139988836 -	Y-CDS-CDS	0	0	1	ter1	In-frame	
LMA1-ANO6	chr12	50248633 -	chr12	45302014 +	LMA1	ENST00000341247	chr12	50248633 -	ANO6	ENST00000320650	chr12	45302014 +	N-CDS-CDS	0	1	1	ter2	Out-of-frame	
LMCH1-HOPX	chr4	41360936 +	chr4	56656012 +	LMCH1	ENST00000512632	chr4	41360936 +	HOPX	ENST00000420433	chr4	56656012 +	Y-CDS-CDS	0	1	0	0	0	0
LMCH1-HOPX	chr4	41360936 +	chr4	56656012 +	LMCH1	ENST00000512632	chr4	41360936 +	HOPX	ENST00000554144	chr4	56656012 +	Y-CDS-CDS	0	1	0	0	0	0
LMCH1-OCIA2	chr4	41360936 +	chr4	48904611 -	LMCH1	ENST00000313860	chr4	41360936 +	OCIA2	ENST00000273860	chr4	48904611 -	N-CDS-SUTR	0	0	1	ter1	CDS-SUTR	
LMCH1-HOPX	chr4	41360936 +	chr4	56656012 +	LMCH1	ENST00000313860	chr4	41360936 +	HOPX	ENST00000420433	chr4	56656012 +	Y-CDS-CDS	0	1	0	0	0	0
LMCH1-HOPX	chr4	41360936 +	chr4	56656012 +	LMCH1	ENST00000313860	chr4	41360936 +	HOPX	ENST00000554144	chr4	56656012 +	Y-CDS-CDS	0	1	0	0	0	0
LMCH1-UCL1	chr4	41360936 +	chr4	41263225 +	LMCH1	ENST00000313860	chr4	41360936 +	UCL1	ENST00000284440	chr4	41263225 +	Y-CDS-CDS	0	0	1	ter1	In-frame	
LMCH1-HOPX	chr4	41360936 +	chr4	56656012 +	LMCH1	ENST00000512620	chr4	41360936 +	HOPX	ENST00000420433	chr4	56656012 +	Y-CDS-CDS	0	1	0	0	0	0
LMCH1-HOPX	chr4	41360936 +	chr4	56656012 +	LMCH1	ENST00000512632	chr4	41360936 +	HOPX	ENST00000420433	chr4	56656012 +	Y-CDS-CDS	0	1	0	0	0	0
LMCH1-HOPX	chr4	41360936 +	chr4	56656012 +	LMCH1	ENST00000508501	chr4	41360936 +	HOPX	ENST00000420433	chr4	56656012 +	Y-CDS-CDS	0	1	0	0	0	0
LMCH1-HOPX	chr4	41360936 +	chr4	56656012 +	LMCH1	ENST00000508501	chr4	41360936 +	HOPX	ENST00000554144	chr4	56656012 +	Y-CDS-CDS	0	1	0	0	0	0
LMCH1-UCL1	chr4	41524478 +	chr4	41256593 +	LMCH1	ENST00000313860	chr4	41524478 +	UCL1	ENST00000514924	chr4	41256593 +	N-CDS-SUTR	0	0	2	ter1	NA	
LMCH1-APB2	chr4	41524478 +	chr4	41100750 -	LMCH1	ENST00000313860	chr4	41524478 +	APB2	ENST00000295974	chr4	41100750 -	N-CDS-SUTR:3X	0	0	1	ter1	CDS-SUTR	
LMCH1-CWH43	chr4	41524478 +	chr4	49028629 +	LMCH1	ENST00000313860	chr4	41524478 +	CWH43	ENST00000226432	chr4	49028629 +	Y-CDS-CDS	0	0	1	ter1	In-frame	
LMD1-LARS2	chr3	45596287 +	chr3	45446891 +	LMD1	ENST00000273317	chr3	45596287 +	LARS2	ENST00000265537	chr3	45446891 +	N-CDS-CDS:14X	0	0	1	ter2	Out-of-frame	
LMD1-LARS2	chr3	45596287 +	chr3	45516098 +	LMD1	ENST00000273317	chr3	45596287 +	LARS2	ENST00000265537	chr3	45516098 +	Y-CDS-CDS	0	1	0	0	0	0
LMD1-LARS2	chr3	45552397 +	chr3	45523997 +	LMD1	ENST00000273317	chr3	45552397 +	LARS2	ENST00000265537	chr3	45523997 +	Y-CDS-CDS	0	1	0	0	0	0
LMD1-DSP	chr3	45676934 -	chr6	7579522 -	LMD1	ENST00000273317	chr3	45676934 -	DSP	ENST00000378022	chr6	7579522 -	N-CDS-CDS	0	1	0	0	0	0
LMK1-TYW1	chr7	74111998 +	chr7	67024900 +	LMK1	ENST00000338180	chr7	74111998 +	TYW1	ENST00000359626	chr7	67024900 +	Y-CDS-CDS	0	1	0	0	0	0
LMK1-GNAT3	chr7	74111998 +	chr7	80494647 +	LMK1	ENST00000338180	chr7	74111998 +	GNAT3	ENST00000398291	chr7	80494647 +	Y-CDS-CDS	0	1	1	ter1	In-frame	
LMK2-OSBP2	chr22	31225819 +	chr22	30870429 +	LMK2	ENST00000331728	chr22	31225819 +	OSBP2	ENST00000332585	chr22	30870429 +	N-CDS-CDS	0	0	1	ter1	Out-of-frame	
LMK2-MED15	chr22	31225819 +	chr22	20537117 +	LMK2	ENST00000331728	chr22	31225819 +	MED15	ENST00000263205	chr22	20537117 +	N-CDS-CDS	0	0	1	ter1	In-frame	
LMK2-RUFY1	chr22	31225819 +	chr22	17958047 +	LMK2	ENST00000331728	chr22	31225819 +	RUFY1	ENST00000194409	chr22	17958047 +	Y-CDS-CDS	0	1	0	0	0	0
LMK2-ATXN10	chr22	31258426 +	chr22	45806959 +	LMK2	ENST00000331728	chr22	31258426 +	ATXN10	ENST00000252934	chr22	45806959 +	Y-CDS-CDS	0	1	1	ter1	In-frame	
LMK2-ATXN10	chr22	31258426 +	chr22	45806959 +	LMK2	ENST00000406516	chr22	31258426 +	ATXN10	ENST00000252934	chr22	45806959 +	Y-CDS-CDS	0	1	1	ter1	In-frame	
LMK2-ATXN10	chr22	31258426 +	chr22	45806959 +	LMK2	ENST00000336111	chr22	31258426 +	ATXN10	ENST00000252934	chr22	45806959 +	Y-CDS-CDS	0	1	1	ter1	In-frame	
LMK2-CDCA5	chr22	31268200 +	chr22	19516527 +	LMK2	ENST00000331728	chr22	31268200 +	CDCA5	ENST00000263201	chr22	19516527 +	Y-CDS-CDS	0	1	1	ter1	In-frame	
LN28A-CDS2	chr1	26411592 +	chr1	26320171 +	LN28A	ENST00000254231	chr1	26411592 +	CDS2	ENST00000374213	chr1	26320171 +	Y-CDS-CDS	0	0	1	ter1	In-frame	
LN2-ANS1	chr14	74429140 +	chr14	74429140 +	LN2	ENST00000553044	chr14	74429140 +	ANS1	ENST00000284914	chr14	74429140 +	Y-CDS-CDS	0	1	0	0	0	0
LN2-SYNE2	chr14	74095985 +	chr14	64208758 +	LN2	ENST00000553044	chr14	74095985 +	SYNE2	ENST00000344113	chr14	64208758 +	N-SUTR-CDS:3X	0	0	1	ter1	In-frame	
LN2-SYNE2	chr14	74095985 +	chr14	64208758 +	LN2	ENST00000553044	chr14	74095985 +	SYNE2	ENST00000344113	chr14	64208758 +	Y-CDS-CDS	0	1	1	ter1	In-frame	
LN7A-GRIP1	chr12	80889251 -	chr12	6645422 -	LN7A	ENST00000261203	chr12	80889251 -	GRIP1	ENST00000359742	chr12	6645422 -	N-CDS-CDS	0	0	1	ter1	Out-of-frame	
LN7A-NUP107	chr12	80889251 -	chr12	68741813 +	LN7A	ENST00000552864	chr12	80889251 -	NUP107	ENST00000229179	chr12	68741813 +	Y-CDS-CDS	0	0	1	ter1	In-frame	
LN7A-TMEM132D	chr12	80889251 -	chr12	129084702 -	LN7A	ENST00000552864	chr12	80889251 -	TMEM132D	ENST00000389441	chr12	129084702 -	Y-CDS-CDS	0	1	1	ter1	In-frame	
LN7A-PP1R12A	chr12	80937641 -	chr12	78934651 -	LN7A	ENST00000261203	chr12	80937641 -	PP1R12A	ENST00000281207	chr12	78934651 -	CDS-SUTR	0	0	1	ter1	CDS-SUTR	
LN7A-TRHD	chr12	80937641 -	chr12	72286881 -	LN7A	ENST00000261203	chr12	80937641 -	TRHD	ENST00000318180	chr12	72286881 -	N-CDS-CDS	0	0	1	ter1	Out-of-frame	
LN9-KDM5B	chr1	22627775 -	chr1	20277704 -	LN9	ENST00000328205	chr1	22627775 -	KDM5B	ENST00000235790	chr1	20277704 -	N-CDS-SUTR	0	0	1	ter1	Out-of-frame	
LN9Q2-TLN1	chr9	28475940 -	chr9	35708484 -	LN9Q2	ENST00000380675	chr9	28475940 -	TLN1	ENST00000314888	chr9	35708484 -	N-SUTR-CDS	0	0	1	ter1	SUTR-CDS	
LPA-TMEM132A	chr10	89245676 -	chr10	60927204 +	LPA	ENST00000282673	chr10	89245676 -	TMEM132A	ENST00000050286	chr10	60927204 +	Y-CDS-CDS	0	0	1	ter1	In-frame	
LIPC-CNA2	chr15	58410818 +	chr15	121821091 +	LIPC	ENST00000356113	chr15	58410818 +	CNA2	ENST00000274026	chr15	121821091 +	N-SUTR-CDS:4X	0	0	1	ter1	SUTR-CDS	
LIPC-TCF12	chr15	58432120 +	chr15	57166402 +	LIPC	ENST00000343326	chr15	58432120 +	TCF12	ENST00000267811	chr15	57166402 +	Y-CDS-CDS	0	1	1	ter1	In-frame	
LIPC-TCF12	chr15	58432120 +	chr15	57166402 +	LIPC	ENST00000343326	chr15	58432120 +	TCF12	ENST00000267811	chr15	57166402 +	Y-CDS-CDS	0	1	1	ter1	In-frame	
LIPC-TCF12	chr15	58432120 +	chr15	57166402 +	LIPC	ENST00000356113	chr15	58432120 +	TCF12	ENST00000267811	chr15	57166402 +	Y-CDS-CDS	0	1	1	ter1	In-frame	
LIPC-UCMA	chr18	49569548 +	chr10	13233800 -	LIPC	ENST00000261292	chr18	49569548 +	UCMA	ENST00000378681	chr10	13233800 -	Y-CDS-CDS	0	1	1	ter1	In-frame	
LIPN-MINP1	chr10	88770991 +	chr10	87552082 +	LIPN	ENST00000404459	chr10	88770991 +	MINP1	ENST00000371994	chr10	87552082 +	N-CDS-CDS:10X	0	1	1	ter1	Out-of-frame	
LLGL1-ALKBH5	chr17	18232802 +	chr17	18232802 +	LLGL1	ENST00000316843	chr17	18232802 +	ALKBH5	ENST00000399138	chr17	18232802 +	Y-CDS-CDS	0	1	1	ter1	In-frame	
LLGL1-TLN2	chr17	18232802 +	chr17	18232802 +	LLGL1	ENST00000316843	chr17	18232802 +	TLN2	ENST00000581311	chr17	18232802 +	N-CDS-CDS:16X	0	0	1	ter1	Out-of-frame	
LLGL2-CANX2	chr17	75563463 +	chr17	60877203 +	LLGL2	ENST00000167462	chr17	75563463 +	CANX2	ENST00000385202	chr17	60877203 +	N-SUTR-CDS	0	0	1	ter1	SUTR-CDS	
LLGL2-CANX2	chr17	75563463 +	chr3	132040321 -	LLGL2	ENST00000167462	chr1												

M2P2K4-NIPSNAP1	chr17	12021001 +	chr22	29561862 +	M2P2K4	ENST00000216121	chr17	12021001 +	NIPSNAP1	ENST00000216121	chr22	29561862 +	Y.CDS-CDS	0	1	0	-	-
M2P2K4-CD79B	chr17	12054991 +	chr22	6931385 -	M2P2K4	ENST0000035533	chr17	12054991 +	CD79B	ENST00000006750	chr22	6931385 -	N.CDS-CDS	0	0	1	1	Out-of-frame
M2P2K4-DNAH9	chr17	12119623 +	chr22	11951217 +	M2P2K4	ENST0000035533	chr17	12119623 +	DNAH9	ENST00000006750	chr22	11951217 +	N.CDS-CDS	0	0	1	1	Out-of-frame
M2P2K5-RAE27A	chr15	67543470 +	chr15	55234956 -	M2P2K5	ENST00000178640	chr15	67543470 +	RAE27A	ENST00000033678	chr15	55234956 -	N.CDS-SUTR-1X	0	0	0	1	Out-of-frame
M2P2K5-IQCH	chr15	67592074 +	chr15	67490003 +	M2P2K5	ENST00000178640	chr15	67592074 +	IQCH	ENST00000033589A	chr15	67490003 +	Y.CDS-CDS	0	0	0	1	In-frame
M2P2K5-MYRFL	chr15	67600749 +	chr12	69879028 +	M2P2K5	ENST00000178640	chr15	67600749 +	MYRFL	ENST00000054771	chr12	69879028 +	Y.CDS-CDS	0	1	0	-	-
M2P2K5-C15orf61	chr15	67600749 +	chr15	67526418 +	M2P2K5	ENST00000178640	chr15	67600749 +	C15orf61	ENST000000342683	chr15	67526418 +	N.CDS-CDS-14X	0	0	0	1	Out-of-frame
M2P2K5-SMAD6	chr15	67734048 +	chr15	66711668 +	M2P2K5	ENST00000178640	chr15	67734048 +	SMAD6	ENST00000028840	chr15	66711668 +	N.CDS-CDS-8X	0	0	0	1	Out-of-frame
M2P2K5-IQCH	chr15	67742945 +	chr15	67465127 +	M2P2K5	ENST00000178640	chr15	67742945 +	IQCH	ENST00000033595A	chr15	67465127 +	Y.CDS-CDS	0	1	0	1	In-frame
M2P2K5-ADAMTSL3	chr15	67748601 +	chr15	83704389 +	M2P2K5	ENST00000178640	chr15	67748601 +	ADAMTSL3	ENST00000028674	chr15	83704389 +	Y.CDS-CDS	0	1	0	-	-
M2P2K5-ADAMTSL3	chr15	67748601 +	chr15	83704389 +	M2P2K5	ENST00000178640	chr15	67748601 +	ADAMTSL3	ENST00000028674	chr15	83704389 +	Y.CDS-CDS	0	1	0	-	-
M2P2K7-SH3GL1	chr19	7905855 +	chr19	4361796 -	M2P2K7	ENST00000397983	chr19	7905855 +	SH3GL1	ENST000000269886	chr19	4361796 -	Y.CDS-CDS	0	1	0	-	-
M2P3K1-PARN	chr5	56816055 +	chr16	14447081 -	M2P3K1	ENST00000399503	chr5	56816055 +	PARN	ENST0000000341484	chr16	14447081 -	Y.CDS-CDS	0	1	1	1	In-frame
M2P3K1-ORAN2	chr5	56859915 +	chr14	19733369 +	M2P3K1	ENST00000399503	chr5	56859915 +	ORAN2	ENST000000557414	chr14	19733369 +	N.CDS-SUTR	0	0	0	1	NA
M2P3K10-ALDH16A1	chr19	40192713 +	chr19	49468381 +	M2P3K10	ENST00000253055	chr19	40192713 +	ALDH16A1	ENST00000029350	chr19	49468381 +	N.CDS-CDS-2X	0	0	0	1	Out-of-frame
M2P3K10-PCMTD2	chr19	40198555 +	chr20	64273221 +	M2P3K10	ENST00000253055	chr19	40198555 +	PCMTD2	ENST00000026978	chr20	64273221 +	N.CDS-SUTR	0	0	0	1	Out-of-frame
M2P3K10-SUPT5H	chr19	40206157 +	chr19	39457675 +	M2P3K10	ENST00000253055	chr19	40206157 +	SUPT5H	ENST000000432763	chr19	39457675 +	Y.CDS-CDS	0	0	0	1	In-frame
M2P3K10-C1orf47	chr19	40209219 +	chr19	40341890 +	M2P3K10	ENST00000253055	chr19	40209219 +	C1orf47	ENST000000392035	chr19	40341890 +	Y.CDS-SUTR-2X	0	0	0	1	Out-of-frame
M2P3K12-GDF11	chr12	53499427 +	chr12	55748586 +	M2P3K12	ENST00000267079	chr12	53499427 +	GDF11	ENST000000257868	chr12	55748586 +	N.SUTR-CDS	0	0	0	1	Out-of-frame
M2P3K13-FETUB	chr3	185285643 +	chr3	186651218 +	M2P3K13	ENST0000024227	chr3	185285643 +	FETUB	ENST000000265029	chr3	186651218 +	N.SUTR-CDS	0	0	0	1	Out-of-frame
M2P3K13-CD37	chr3	185285643 +	chr19	49336909 +	M2P3K13	ENST0000024227	chr3	185285643 +	CD37	ENST000000323906	chr19	49336909 +	N.SUTR-CDS-2X	0	0	0	1	Out-of-frame
M2P3K13-NSJN2	chr3	185285643 +	chr5	6625669 -	M2P3K13	ENST0000024227	chr3	185285643 +	NSJN2	ENST000000264870	chr5	6625669 -	N.SUTR-CDS	0	0	0	1	Out-of-frame
M2P3K13-VPS8	chr3	18553368 +	chr3	185051876 +	M2P3K13	ENST00000262026	chr3	18553368 +	VPS8	ENST000000287546	chr3	185051876 +	N.CDS-SUTR-1X	0	0	0	1	Out-of-frame
M2P3K13-P2RX8	chr3	185363368 +	chr17	3673877 -	M2P3K13	ENST00000262026	chr3	185363368 +	P2RX8	ENST000000225328	chr17	3673877 -	N.SUTR-CDS	0	0	0	1	Out-of-frame
M2P3K14-SRP68	chr17	45284812 -	chr17	76067330 -	M2P3K14	ENST000000344866	chr17	45284812 -	SRP68	ENST000000307877	chr17	76067330 -	N.CDS-CDS-10X	0	0	0	1	Out-of-frame
M2P3K14-ACBD4	chr17	45284812 -	chr17	45142583 +	M2P3K14	ENST000000344866	chr17	45284812 -	ACBD4	ENST000000376955	chr17	45142583 +	N.CDS-CDS-10X	0	0	0	1	Out-of-frame
M2P3K14-NDEL1	chr17	45289236 -	chr17	48669930 -	M2P3K14	ENST000000344866	chr17	45289236 -	NDEL1	ENST000000334527	chr17	48669930 -	Y.CDS-CDS	0	0	0	1	In-frame
M2P3K2-IWS1	chr2	127335870 -	chr2	127481175 -	M2P3K2	ENST00000409947	chr2	127335870 -	IWS1	ENST000000295321	chr2	127481175 -	Y.CDS-CDS	0	1	1	1	In-frame
M2P3K3-FCHSD2	chr11	63632802 +	chr11	71119832 +	M2P3K3	ENST00000361157	chr11	63632802 +	FCHSD2	ENST000000311172	chr11	71119832 +	N.SUTR-CDS-2X	0	0	0	1	NA
M2P3K3-DBF4B	chr17	63652656 +	chr17	44747083 +	M2P3K3	ENST00000361157	chr17	63652656 +	DBF4B	ENST000000315005	chr17	44747083 +	N.CDS-CDS-8X	0	0	0	1	Out-of-frame
M2P3K3-BRIP1	chr17	63667060 +	chr17	61686165 +	M2P3K3	ENST00000361157	chr17	63667060 +	BRIP1	ENST000000259008	chr17	61686165 +	Y.CDS-CDS	0	1	1	1	In-frame
M2P3K3-TANC2	chr17	63688635 +	chr17	63687060 +	M2P3K3	ENST00000361157	chr17	63688635 +	TANC2	ENST000000389520	chr17	63687060 +	N.CDS-CDS-12X	0	0	0	1	Out-of-frame
M2P3K4-FRMD1	chr6	16092903 +	chr6	16097924 -	M2P3K4	ENST00000348824	chr6	16092903 +	FRMD1	ENST000000283309	chr6	16097924 -	N.CDS-CDS	0	0	0	1	NA
M2P3K4-METTL24	chr6	161015491 +	chr6	161015491 +	M2P3K4	ENST00000348824	chr6	161015491 +	METTL24	ENST000000338882	chr6	161015491 +	Y.CDS-CDS	0	1	1	1	In-frame
M2P3K4-XAF1	chr6	161081038 +	chr6	161081038 +	M2P3K4	ENST00000348824	chr6	161081038 +	XAF1	ENST000000346752	chr6	161081038 +	N.CDS-CDS-8X	0	0	0	1	Out-of-frame
M2P3K5-PRP8	chr6	168639543 +	chr6	105333505 +	M2P3K5	ENST00000359015	chr6	168639543 +	PRP8	ENST000000369110	chr6	105333505 +	N.CDS-CDS-32X	0	0	0	1	Out-of-frame
M2P3K5-CLVS2	chr6	168650984 -	chr6	123048622 +	M2P3K5	ENST00000359015	chr6	168650984 -	CLVS2	ENST000000257162	chr6	123048622 +	Y.CDS-CDS	0	1	1	1	In-frame
M2P3K5-NKAN2	chr6	168720450 +	chr6	124791339 +	M2P3K5	ENST00000359015	chr6	168720450 +	NKAN2	ENST000000368417	chr6	124791339 +	Y.CDS-CDS	0	0	0	1	In-frame
M2P3K5-OSTM1	chr6	168791710 -	chr6	108642999 -	M2P3K5	ENST00000359015	chr6	168791710 -	OSTM1	ENST000000193322	chr6	108642999 -	N.CDS-CDS-1X	0	1	1	1	Out-of-frame
M2P3K5-NUDF9	chr6	168791710 -	chr6	124567647 +	M2P3K5	ENST00000359015	chr6	168791710 -	NUDF9	ENST000000252532	chr6	124567647 +	N.CDS-CDS-1X	0	1	1	2	Out-of-frame
M2P3K5-ARFIP1	chr6	168791710 -	chr4	152872452 +	M2P3K5	ENST00000359015	chr6	168791710 -	ARFIP1	ENST000000353617	chr4	152872452 +	Y.CDS-CDS	0	0	0	1	In-frame
M2P3K6-KLK3	chr1	27359417 +	chr1	50854935 +	M2P3K6	ENST00000357582	chr1	27359417 +	KLK3	ENST000000326003	chr1	50854935 +	N.CDS-SUTR-22X	0	0	0	1	Out-of-frame
M2P3K7-COL12A1	chr6	90536337 +	chr6	75202827 -	M2P3K7	ENST00000369320	chr6	90536337 +	COL12A1	ENST000000322507	chr6	75202827 -	N.CDS-SUTR-1X	0	0	0	1	Out-of-frame
M2P3K8-LYZL2	chr10	30459501 +	chr10	30612024 -	M2P3K8	ENST00000362056	chr10	30459501 +	LYZL2	ENST000000375318	chr10	30612024 -	N.CDS-CDS-15X	0	0	0	1	Out-of-frame
M2P3K9-MED6	chr14	70593378 -	chr14	70593378 -	M2P3K9	ENST00000381250	chr14	70593378 -	MED6	ENST000000430055	chr14	70593378 -	Y.CDS-CDS	0	1	0	-	-
M2P3K9-MED6	chr14	70593378 -	chr14	70593378 -	M2P3K9	ENST00000381250	chr14	70593378 -	MED6	ENST000000430055	chr14	70593378 -	Y.CDS-CDS	0	1	0	-	-
M2P3K9-MED6	chr14	70593378 -	chr14	70593378 -	M2P3K9	ENST00000381250	chr14	70593378 -	MED6	ENST000000430055	chr14	70593378 -	Y.CDS-CDS	0	1	0	-	-
M2P4-CHD1	chr3	47850696 -	chr5	98883883 -	M2P4	ENST00000395734	chr3	47850696 -	CHD1	ENST000000284049	chr5	98883883 -	N.SUTR-ND-65X	0	0	0	1	NA
M2P4-SHISA5	chr3	47857431 -	chr3	48501293 -	M2P4	ENST00000395734	chr3	47857431 -	SHISA5	ENST000000296444	chr3	48501293 -	N.CDS-CDS	0	1	1	4	In-frame
M2P4-CCDC12	chr3	47870813 -	chr3	46941065 -	M2P4	ENST00000395734	chr3	47870813 -	CCDC12	ENST000000292314	chr3	46941065 -	N.CDS-CDS	0	1	0	-	-
M2P4-SPINK8	chr3	47914817 +	chr3	48309946 +	M2P4	ENST00000360240	chr3	47914817 +	SPINK8	ENST000000434006	chr3	48309946 +	N.CDS-CDS-9X	0	0	0	1	Out-of-frame
M2P4-RBM42	chr3	47914817 +	chr19	35633098 +	M2P4	ENST00000360240	chr3	47914817 +	RBM42	ENST000000262633	chr19	35633098 +	Y.CDS-CDS	0	0	0	1	In-frame
M2P4-ULK2	chr3	47914817 +	chr3	49030644 +	M2P4	ENST00000360240	chr3	47914817 +	ULK2	ENST000000319538	chr3	49030644 +	N.CDS-CDS-5X	0	0	0	1	Out-of-frame
M2P4-SPINK8	chr3	47977865 -	chr3	48309946 -	M2P4	ENST00000360240	chr3	47977865 -	SPINK8	ENST000000434006	chr3	48309946 -	N.CDS-SUTR-1X	0	0	0	2	Out-of-frame
M2P4-KANK4	chr3	47977865 -	chr1	62271591 -	M2P4	ENST00000360240	chr3	47977865 -	KANK4	ENST000000354381	chr1	62271591 -	Y.CDS-ND-1X	0	0	0	1	-
M2P4-PLXNB1	chr3	47977865 -	chr3	48415759 -	M2P4	ENST00000360240	chr3	47977865 -	PLXNB1	ENST000000296440	chr3	48415759 -	N.CDS-CDS	0	0	0	1	Out-of-frame
M2P4-NME6	chr3	47977865 -	chr3	48296829 -	M2P4	ENST00000360240	chr3	47977865 -	NME6	ENST000000415053	chr3	48296829 -	N.CDS-CDS-5X	0	1	1	1	Out-of-frame
M2P4-KANK4	chr3	47977865 -	chr1	62271591 -	M2P4	ENST00000360240	chr3	47977865 -	KANK4	ENST000000371153	chr1	62271591 -	N.CDS-ND	0	0	0	1	Out-of-frame
M2P4-SPINK8	chr3	47986838 -	chr3	48309946 -	M2P4	ENST00000360240	chr3	47986838 -	SPINK8	ENST000000434006	chr3	48309946 -	N.CDS-CDS-15X	0	0	0	1	Out-of-frame
M2P4-CCDC85B	chr3	47998638 -	chr11	65890857 +	M2P4	ENST00000360240	chr3	47998638 -	CCDC85B	ENST000000312579	chr11	65890857 +	Y.CDS-CDS	0	1	0	-	-
M2P4-SPINK8	chr3	48088773 +	chr3	48309946 +	M2P4	ENST00000360240	chr3	48088773 +	SPINK8	ENST000000434006	chr3	48309946 +	N.SUTR-CDS	0	0	0	2	Out-of-frame
M2P4-GTF2H5	chr																	

MED10-KIF21A	chr5	6377166	chr5	6377166	KIF21A	ENST00000361418	chr12	39358373	YCD5-CDS	0	1	0	-
MED12-RPL14	chrX	71141286	chrX	71141286	RPL14	ENST00000338970	chr3	40462069	N-CDS-CDS105X	0	1	0	-
MED13-GOLM4	chr5	16925968	chr5	16925968	GOLM4	ENST00000337786	chr3	68625995	YCD5-CDS	0	1	1	Out-of-frame
MED13-ABC9A	chr17	61981588	chr17	61981588	ABC9A	ENST00000340001	chr17	69292927	N-CDS-CDS-80X	0	1	1	Out-of-frame
MED13-TANC2	chr17	63073943	chr17	63073943	TANC2	ENST00000389520	chr17	63073943	N-CDS-CDS-73X	0	1	1	Out-of-frame
MED13-ITGA3	chr17	61982198	chr17	61982198	ITGA3	ENST00000077722	chr17	50064077	N-CDS-CDS-120X	0	1	1	Out-of-frame
MED13-TEX2	chr17	64214242	chr17	64214242	TEX2	ENST00000258991	chr17	64214242	N-CDS-SUTR-37X	0	1	1	CDS-SUTR
MED13-DDX42	chr17	62052537	chr17	62052537	DDX42	ENST00000359353	chr17	63808820	N-CDS-CDS-9X	0	1	1	Out-of-frame
MED13-MYO15B	chr17	75610166	chr17	75610166	MYO15B	ENST00000582012	chr17	75610166	N-CDS-SUTR-1X	0	1	1	CDS-SUTR
MED13-KCNJ2	chr17	62051140	chr17	62051140	KCNJ2	ENST00000294547	chr17	70174824	YCD5-SUTR-2X	0	1	1	Out-of-frame
MED13L-CDK17	chr12	11589075	chr12	11589075	CDK17	ENST00000261211	chr12	96334865	N-CDS-SUTR-112X	0	1	1	CDS-SUTR
MED13L-DGKH	chr12	116003003	chr12	116003003	DGKH	ENST00000261491	chr12	42208959	N-CDS-CDS-36X	0	1	1	Out-of-frame
MED13L-MYBP1	chr12	116006306	chr12	116006306	MYBP1	ENST00000361466	chr12	101667732	YCD5-CDS	0	1	1	In-frame
MED13L-PTPRR	chr12	116096669	chr12	116096669	PTPRR	ENST00000283228	chr12	70764778	N-CDS-CDS-11X	0	1	1	Out-of-frame
MED13L-TAOK3	chr12	116111428	chr12	116111428	TAOK3	ENST00000392533	chr12	118214110	N-CDS-CDS-5X	0	1	1	Out-of-frame
MED13L-GTF2RFD1	chr12	11611428	chr12	11611428	GTF2RFD1	ENST00000265755	chr12	74509075	N-CDS-SUTR-8X	0	1	1	CDS-SUTR
MED13L-WSCD2	chr12	108223489	chr12	108223489	WSCD2	ENST00000547929	chr12	108224739	N-CDS-CDS	0	1	1	In-frame
MED13L-TAOK3	chr12	116237468	chr12	116237468	TAOK3	ENST00000419821	chr12	118151158	N-CDS-CDS-4X	0	1	1	Out-of-frame
MED13L-TRAFD1	chr12	116237468	chr12	116237468	TRAFD1	ENST00000257604	chr12	112134738	N-CDS-CDS-6X	0	1	1	Out-of-frame
MED13L-COX6A1	chr12	116237468	chr12	116237468	COX6A1	ENST00000229379	chr12	120438379	YCD5-CDS	0	1	0	-
MED13L-PRIM1	chr12	116237468	chr12	116237468	PRIM1	ENST00000338193	chr12	56739363	YCD5-CDS	0	1	0	-
MED13L-IQCD	chr12	116237468	chr12	116237468	IQCD	ENST00000416617	chr12	113200813	N-CDS-CDS-4X	0	1	1	Out-of-frame
MED13L-MET10	chr12	116237468	chr12	116237468	MET10	ENST00000358156	chr12	21617805	N-CDS-CDS-6X	0	1	1	Out-of-frame
MED13L-COL23A1	chr5	178263324	chr5	178263324	COL23A1	ENST00000390654	chr5	178263324	YCD5-CDS	0	1	1	In-frame
MED13L-HRK	chr12	116861466	chr12	116861466	HRK	ENST00000257572	chr12	116861466	N-CDS-SUTR-1X	0	1	1	CDS-SUTR
MED14-SRPX	chrX	38149894	chrX	38149894	SRPX	ENST00000378533	chrX	38149894	YCD5-CDS	0	1	1	In-frame
MED15-PHKA	chr22	20500836	chr22	20500836	PHKA	ENST00000255882	chr22	20749994	N-SUTR-CDS-1X	0	1	1	NA
MED15-KLHL22	chr22	20507746	chr22	20507746	KLHL22	ENST00000328879	chr22	20489244	N-CDS-SUTR	0	1	1	CDS-SUTR
MED15-GNB1L	chr22	20507746	chr22	20507746	GNB1L	ENST00000329517	chr22	19821375	N-CDS-SUTR	0	1	1	CDS-SUTR
MED15-CMT1	chr22	20537204	chr22	20537204	CMT1	ENST00000337322	chr22	19861199	N-CDS-SUTR-2X	0	1	1	Out-of-frame
MED15-FKBP10	chr22	20537204	chr22	20537204	FKBP10	ENST00000321562	chr17	41821654	N-CDS-CDS	0	1	1	Out-of-frame
MED15-AHRH	chr22	20555148	chr22	20555148	AHRH	ENST00000316418	chr5	376610	YCD5-CDS	0	1	1	Out-of-frame
MED15-BCL2L13	chr22	20568631	chr22	20568631	BCL2L13	ENST00000399781	chr22	17638102	N-CDS-SUTR-6X	0	1	1	CDS-SUTR
MED15-TFE3	chr22	20575232	chr22	20575232	TFE3	ENST00000315869	chrX	49034251	YCD5-CDS	0	1	1	In-frame
MED16-POLR2E	chr19	879937	chr19	879937	POLR2E	ENST00000215587	chr19	1089551	N-CDS-CDS-5X	0	1	1	In-frame
MED16-POLR2E	chr19	879937	chr19	879937	POLR2E	ENST00000286746	chr19	1089551	YCD5-CDS	0	1	1	In-frame
MED16-MEXD3	chr19	881559	chr19	881559	MEXD3	ENST00000402893	chr19	1556923	YCD5-CDS	0	1	1	In-frame
MED16-PALM	chr19	893098	chr19	893098	PALM	ENST00000264560	chr19	746285	N-SUTR-CDS	0	1	1	N-SUTR-CDS
MED20-RNF182	chr6	41909269	chr6	41909269	RNF182	ENST00000419006	chr6	13974210	N-CDS-SUTR	0	1	1	CDS-SUTR
MED20-TLL2	chr6	41916785	chr6	41916785	TLL2	ENST00000357947	chr6	96480459	YCD5-CDS	0	1	1	In-frame
MED20-TREFF1	chr6	41916785	chr6	41916785	TREFF1	ENST00000340840	chr6	42363079	YCD5-SUTR-3X	0	1	1	CDS-SUTR
MED20-CND3	chr6	41916785	chr6	41916785	CND3	ENST00000372897	chr6	41940585	N-CDS-CDS	0	1	1	Out-of-frame
MED20-TRAF2	chr6	41916785	chr6	41916785	TRAF2	ENST00000335313	chr19	3662319	YCD5-CDS	0	1	1	In-frame
MED21-PIPK1C	chr12	27022621	chr12	27022621	PIPK1C	ENST00000335312	chr19	3662001	YCD5-CDS	0	1	1	In-frame
MED23-ANO2	chr6	13158709	chr6	13158709	ANO2	ENST00000327087	chr19	5732630	YCD5-CDS	0	1	1	In-frame
MED23-RNF217	chr6	13158709	chr6	13158709	RNF217	ENST00000521654	chr6	125045211	YCD5-CDS	0	1	1	In-frame
MED23-KLHL32	chr6	13161492	chr6	13161492	KLHL32	ENST00000369261	chr6	97041492	YCD5-CDS	0	1	1	In-frame
MED24-KZF3	chr17	40020273	chr17	40020273	KZF3	ENST00000346872	chr17	39792933	YCD5-CDS	0	1	0	-
MED24-NR1H1	chr17	40021955	chr17	40021955	NR1H1	ENST00000246072	chr17	40021955	YCD5-CDS	0	1	1	In-frame
MED24-LCA1	chr17	40021332	chr17	40021332	LCA1	ENST00000394126	chr17	40021332	YCD5-CDS	0	1	1	In-frame
MED24-PPP1R1B	chr17	4002156	chr17	4002156	PPP1R1B	ENST00000254079	chr17	39635607	N-CDS-CDS-23X	0	1	0	-
MED24-KRT40	chr17	40053298	chr17	40053298	KRT40	ENST00000377555	chr17	400979024	YCD5-CDS	0	1	1	In-frame
MED24-TMED10	chr17	40053298	chr17	40053298	TMED10	ENST00000303575	chr14	75135886	YCD5-CDS	0	1	0	-
MED24-SSH2	chr17	40053298	chr17	40053298	SSH2	ENST00000269033	chr17	29703008	N-CDS-CDS-3X	0	1	1	Out-of-frame
MED24-KRT40	chr17	40053298	chr17	40053298	KRT40	ENST00000398486	chr17	40978296	N-CDS-CDS-3X	0	1	1	Out-of-frame
MED24-SCN11B	chr17	40053298	chr17	40053298	SCN11B	ENST00000394126	chr17	65961769	N-CDS-CDS-3X	0	1	0	-
MED24-STAC2	chr17	40053298	chr17	40053298	STAC2	ENST00000333461	chr17	39213132	YCD5-CDS	0	1	0	-
MED24-CEP95	chr17	40053298	chr17	40053298	CEP95	ENST00000534122	chr17	64521402	N-CDS-CDS-2X	0	1	0	-
MED25-ST8SIA6	chr19	49819296	chr19	49819296	ST8SIA6	ENST00000377602	chr10	17396020	YCD5-CDS	0	1	1	In-frame
MED25-SIGLEC12	chr19	49819296	chr19	49819296	SIGLEC12	ENST00000291707	chr19	51491829	N-CDS-CDS-2X	0	1	1	Out-of-frame
MED25-AP2A1	chr19	49819296	chr19	49819296	AP2A1	ENST00000354293	chr19	49819296	N-CDS-CDS	0	1	1	Out-of-frame
MED25-CDC155	chr19	49832415	chr19	49832415	CDC155	ENST00000447857	chr19	49408886	YCD5-CDS	0	1	1	In-frame
MED25-TRAF1	chr19	49832415	chr19	49832415	TRAF1	ENST00000332415	chr19	43717165	YCD5-CDS	0	1	1	In-frame
MED26-SLC1A6	chr19	16627872	chr19	16627872	SLC1A6	ENST00000217422	chr19	14972917	N-CDS-SUTR	0	1	0	-
MED26-PLCB1	chr19	16627872	chr19	16627872	PLCB1	ENST00000338037	chr20	8628294	YCD5-CDS	0	1	1	SUTR-CDS
MED26-ZNF99	chr19	16627872	chr19	16627872	ZNF99	ENST00000397104	chr19	22769324	YCD5-CDS	0	1	1	SUTR-CDS
MED27-TG	chr9	132014337	chr9	132014337	TG	ENST00000220616	chr8	133095044	N-CDS-CDS	0	1	1	Out-of-frame
MED28-MYO10	chr19	39393837	chr19	39393837	MYO10	ENST00000318277	chr17	32749006	YCD5-CDS	0	1	1	Out-of-frame
MED28-DNAH18	chr19	39393837	chr19	39393837	DNAH18	ENST00000339707	chr19	39629600	N-CDS-CDS	0	1	1	In-frame
MED31-FBXW10	chr17	6650356	chr17	6650356	FBXW10	ENST00000301938	chr17	18747941	YCD5-CDS	0	1	1	In-frame
MED4-HTR2A	chr13	46835639	chr13	46835639	HTR2A	ENST00000378688	chr13	46835639	YCD5-CDS	0	1	1	In-frame
MED6-MAP3K9	chr14	70761182	chr14	70761182	MAP3K9	ENST00000554752	chr14	70761182	YCD5-CDS	0	1	0	-
MED8-SCMH1	chr1	43385046	chr1	43385046	SCMH1	ENST00000326197	chr1	41028726	N-CDS-CDS-11X	0	1	1	Out-of-frame
MEF2A-WDR61	chr15	9596104	chr15	9596104	WDR61	ENST00000267973	chr15	78295725	N-SUTR-SUTR	0	1	1	SUTR-SUTR
MEF2A-LRRC28	chr15	9596104	chr15	9596104	LRRC28	ENST00000301981	chr15	9596104	N-SUTR-CDS-3X	0	1	1	SUTR-CDS
MEF2A-LRRC28	chr15	9596104	chr15	9596104	LRRC28	ENST00000301981	chr15	9596104	N-SUTR-CDS-3X	0	1	1	SUTR-CDS
MEF2A-SV2B	chr15	9596104	chr15	9596104	SV2B	ENST00000330276	chr15	9596104	N-CDS-CDS	0	1	1	Out-of-frame
MEF2D-ZDHC5	chr11	57682422	chr11	57682422	ZDHC5	ENST00000287169	chr11	57682422	YCD5-CDS	0	1	1	In-frame
MEF2D-SORL1	chr11	121553937	chr11	121553937	SORL1	ENST00000260197	chr11	121553937	N-SUTR-CDS	0	1	1	SUTR-CDS
MEF2D-APOA2	chr11	161223425	chr11	161223425	APOA2	ENST00000367990	chr11	161223425	N-SUTR-SUTR-2X	0	1	1	SUTR-SUTR
MEF2D-CD55	chr11	16500486	chr11	16500486	CD55	ENST00000314754	chr11	207359546	N-SUTR-CDS	0	1	1	SUTR-CDS
MED11-RPL4	chr15	65600778	chr15	65600778	RPL4	ENST00000330765	chr15	65600778	YCD5-CDS	0	1	1	Out-of-frame
MEGF8-IPKC	chr19	42375430	chr19	42375430	IPKC	ENST00000263370	chr19	40725245	N-CDS-CDS	0	1	1	In-frame
MEGF9-TLL5	chr9	120713758	chr9	120713758	TLL5	ENST00000298832	chr14	75764615	N-CDS-CDS	0	1	1	Out-of-frame
MEGF9-PSMD5	chr9	120713758	chr9	120713758	PSMD5	ENST00000210313	chr9	120820979	N-CDS-CDS-2X	0	1	0	-
MEL1-MKL1	chr22	40463286	chr22	40463286	MKL1	ENST00000355630	chr22	40463286	N-CDS-SUTR-29X	0	1	1	CDS-SUTR
MEI1-ARHGAP													

MIB1-GRB1L	chr18	2179085 +	chr18	21508118 +	MIB1	ENST00000261537	chr18	2179085 +	GREB1L	ENST00000269218	chr18	21508118 +	N.CDS-CDS:19X	0	0	1	1er1	Out-of-frame
MIB1-SNRFPD1	chr18	2179085 +	chr18	21622725 +	MIB1	ENST00000261537	chr18	2179085 +	SNRFPD1	ENST00000300413	chr18	21622725 +	Y.CDS-CDS	0	1	1	1er1	In-frame
MIB1-SNRFPD2	chr18	2179085 +	chr18	21622725 +	MIB1	ENST00000261537	chr18	2179085 +	SNRFPD2	ENST00000300413	chr18	21622725 +	Y.CDS-CDS	0	1	1	1er1	In-frame
MIB1-CABYR	chr18	2180410 +	chr18	21455701 +	MIB1	ENST00000261537	chr18	2180410 +	CABYR	ENST00000327201	chr18	21455701 +	N.CDS-SUTR:36X	0	1	1	1er1	Out-of-frame
MIB1-MYOSB	chr18	21858645 +	chr18	49880455 +	MIB1	ENST00000261537	chr18	21858645 +	MYOSB	ENST00000285039	chr18	49880455 +	Y.CDS-CDS	0	1	1	1er1	In-frame
MIB2-PLEKH1	chr1	1618614 +	chr1	972861 +	MIB2	ENST0000035826	chr1	1618614 +	PLEKH1	ENST00000379407	chr1	972861 +	N.CDS-CDS:1X	0	0	1	1er4	Out-of-frame
MIB2-SMIM13	chr1	1618614 +	chr1	11134403 +	MIB2	ENST0000035826	chr1	1618614 +	SMIM13	ENST00000416247	chr1	11134403 +	N.CDS-CDS:1X	0	1	0	0	0
MIB2-ACVR1B	chr1	1623945 +	chr12	51975265 +	MIB2	ENST0000035826	chr1	1623945 +	ACVR1B	ENST00000257963	chr12	51975265 +	N.CDS-CDS	0	0	1	1er1	CDS-SUTR
MICA-NCR3	chr6	31400763 +	chr6	31589899 +	MICA	ENST00000616296	chr6	31400763 +	NCR3	ENST00000340027	chr6	31589899 +	N.SUTR-CDS:4X	0	0	1	1er1	SUTR-CDS
MICA-NCR3	chr6	31400763 +	chr6	31590126 +	MICA	ENST00000616296	chr6	31400763 +	NCR3	ENST00000340027	chr6	31590126 +	N.CDS-CDS	0	0	1	1er1	In-frame
MICAL2-NELL1	chr11	12162419 +	chr11	21370853 +	MICAL2	ENST00000256194	chr11	12162419 +	NELL1	ENST00000298925	chr11	21370853 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame
MICAL2-RRAS2	chr11	12239585 +	chr11	14295855 +	MICAL2	ENST00000256194	chr11	12239585 +	RRAS2	ENST00000256196	chr11	14295855 +	Y.CDS-CDS	0	1	0	0	0
MICAL3-SLC25A18	chr22	18024281 +	chr22	17587136 +	MICAL3	ENST00000441493	chr22	18024281 +	SLC25A18	ENST00000327451	chr22	17587136 +	N.SUTR-CDS	0	0	1	1er2	SUTR-CDS
MICAL3-ATAD1	chr22	18024281 +	chr22	87814612 +	MICAL3	ENST00000441493	chr22	18024281 +	ATAD1	ENST00000308448	chr22	87814612 +	N.SUTR-SUTR	0	0	1	1er2	SUTR-SUTR
MICALCL-HS2S11	chr11	12294857 +	chr11	87072934 +	MICALCL	ENST00000256186	chr11	12294857 +	HS2S11	ENST00000370650	chr11	87072934 +	Y.CDS-CDS	0	1	1	1er1	In-frame
MICALCL-MRCP2	chr11	12256785 +	chr11	12256785 +	MICALCL	ENST00000256186	chr11	12256785 +	MICAL2	ENST00000256194	chr11	12256785 +	N.CDS-CDS:21X	0	0	1	1er1	Out-of-frame
MICALCL-HS1C1	chr22	37596568 +	chr22	37596568 +	MICALCL	ENST00000215957	chr22	37596568 +	HS1C1	ENST00000368445	chr22	37596568 +	Y.CDS-CDS	0	1	1	1er1	Out-of-frame
MICALL1-DNAL4	chr22	37924717 +	chr22	38782870 +	MICALL1	ENST00000215957	chr22	37924717 +	DNAL4	ENST00000216068	chr22	38782870 +	Y.CDS-SUTR:1X	0	1	1	1er2	CDS-SUTR
MICALL2-CA3	chr7	1442192 +	chr7	8542073 +	MICALL2	ENST00000297508	chr7	1442192 +	CA3	ENST00000258381	chr7	8542073 +	Y.CDS-CDS	0	1	1	1er1	In-frame
MICALL2-HDAC9	chr7	1444652 +	chr7	18644671 +	MICALL2	ENST00000297508	chr7	1444652 +	HDAC9	ENST00000401921	chr7	18644671 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame
MICALL2-CLK1	chr7	1446713 +	chr7	50820443 +	MICALL2	ENST00000297508	chr7	1446713 +	CLK1	ENST00000301420	chr7	50820443 +	Y.CDS-CDS	0	0	1	1er3	In-frame
MICALL2-LSM11	chr7	1446713 +	chr20	63941208 +	MICALL2	ENST00000297508	chr7	1446713 +	UCL1	ENST00000354216	chr20	63941208 +	Y.CDS-CDS	0	2	1	1er3	In-frame
MICALL2-PUM3	chr7	1459184 +	chr7	3619080 +	MICALL2	ENST00000297508	chr7	1459184 +	SDK1	ENST00000389331	chr7	3619080 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame
MICALL2-PCSK9	chr7	1459184 +	chr7	1567850 +	MICALL2	ENST00000297508	chr7	1459184 +	PSMG3	ENST00000252329	chr7	1567850 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame
MICU1-ARHGAP22	chr10	72470929 +	chr10	48446619 +	MICU1	ENST00000361114	chr10	72470929 +	ARHGAP22	ENST00000417247	chr10	48446619 +	N.CDS-CDS:29X	0	1	0	0	0
MICU1-TSPAN15	chr10	72475100 +	chr10	69483691 +	MICU1	ENST00000361114	chr10	72475100 +	TSPAN15	ENST00000373290	chr10	69483691 +	Y.CDS-CDS	0	1	0	0	0
MICU1-DNAJB12	chr10	72475100 +	chr10	72336696 +	MICU1	ENST00000361114	chr10	72475100 +	DNAJB12	ENST00000338820	chr10	72336696 +	N.CDS-CDS:16X	0	1	0	0	0
MICU2-ATP8A2	chr13	21603939 +	chr13	25828118 +	MICU2	ENST00000382274	chr13	21603939 +	ATP8A2	ENST00000381655	chr13	25828118 +	Y.CDS-CDS	0	1	1	1er1	In-frame
MICU3-TGFR3	chr8	10727660 +	chr8	91734959 +	MICU3	ENST00000318063	chr8	10727660 +	TGFR3	ENST00000212355	chr8	91734959 +	Y.CDS-CDS	0	1	1	1er1	In-frame
MID1-SPAG9	chrX	118055914 +	chrX	118055914 +	MID1	ENST00000380780	chrX	118055914 +	SPAG9	ENST00000326339	chrX	118055914 +	Y.CDS-CDS	0	1	1	1er1	Out-of-frame
MID1-ARHGAP6	chrX	10482480 +	chrX	11254707 +	MID1	ENST00000380780	chrX	10482480 +	ARHGAP6	ENST00000303025	chrX	11254707 +	N.CDS-SUTR	0	0	1	1er1	In-frame
MID1-S100A2	chrX	10620290 +	chrX	153563887 +	MID1	ENST00000317552	chrX	10620290 +	S100A2	ENST00000368707	chrX	153563887 +	N.SUTR-SUTR:2X	0	0	1	1er4	SUTR-SUTR
MID1-ARHGAP6	chrX	10620290 +	chrX	11254707 +	MID1	ENST00000317552	chrX	10620290 +	ARHGAP6	ENST00000303025	chrX	11254707 +	N.SUTR-SUTR:1X	0	0	1	1er3	SUTR-SUTR
MID1-DOCK11	chrX	10833554 +	chrX	118662686 +	MID1	ENST00000380785	chrX	10833554 +	DOCK11	ENST00000276202	chrX	118662686 +	N.SUTR-CDS	0	0	1	1er1	SUTR-CDS
MIDN-ARID3A	chr19	1250529 +	chr19	971878 +	MIDN	ENST00000300952	chr19	1250529 +	ARID3A	ENST00000263620	chr19	971878 +	N.CDS-CDS:1X	0	1	0	0	0
MIDN-HNH4	chr19	1079703 +	chr19	6579703 +	MIDN	ENST00000300952	chr19	1079703 +	HNH4	ENST00000313393	chr19	6579703 +	Y.CDS-CDS	0	1	1	1er4	In-frame
MIDN-ABCA7	chr19	1251901 +	chr19	1061782 +	MIDN	ENST00000300952	chr19	1251901 +	ABCA7	ENST00000263094	chr19	1061782 +	Y.CDS-CDS	0	0	1	1er1	Out-of-frame
MIDN-MAP7D1	chr19	1255694 +	chr19	36177873 +	MIDN	ENST00000300952	chr19	1255694 +	MAP7D1	ENST00000316156	chr19	36177873 +	Y.CDS-CDS	0	0	1	1er1	Out-of-frame
MIFF2-ANKRD30A	chr17	18263248 +	chr17	37152060 +	MIFF2	ENST00000323019	chr17	18263248 +	ANKRD30A	ENST00000361713	chr17	37152060 +	Y.CDS-CDS	0	1	0	0	0
MIFF2-RAI1	chr17	18264764 +	chr17	17803756 +	MIFF2	ENST00000323019	chr17	18264764 +	RAI1	ENST00000353383	chr17	17803756 +	Y.CDS-CDS:1X	0	1	0	0	0
MIEN1-TEX2	chr17	64160933 +	chr17	64160933 +	MIEN1	ENST00000394231	chr17	64160933 +	TEX2	ENST00000258991	chr17	64160933 +	Y.CDS-CDS	0	1	1	1er1	In-frame
MIER1-LEPR	chr1	66940052 +	chr1	65570473 +	MIER1	ENST00000371012	chr1	66940052 +	LEPR	ENST00000344610	chr1	65570473 +	Y.CDS-CDS	0	1	1	1er4	In-frame
MIER1-LEPR	chr1	66940052 +	chr1	65570473 +	MIER1	ENST00000371012	chr1	66940052 +	LEPR	ENST00000344610	chr1	65570473 +	Y.CDS-CDS	0	1	1	1er4	In-frame
MIER1-LEPR	chr1	66940052 +	chr1	65570473 +	MIER1	ENST00000353536	chr1	66940052 +	LEPR	ENST00000344610	chr1	65570473 +	Y.CDS-CDS	0	1	1	1er4	In-frame
MIER1-LEPR	chr1	66940052 +	chr1	65570473 +	MIER1	ENST00000353536	chr1	66940052 +	LEPR	ENST00000344610	chr1	65570473 +	Y.CDS-CDS	0	1	1	1er4	In-frame
MIER2-SHC2	chr19	318145 +	chr19	425231 +	MIER2	ENST00000264819	chr19	318145 +	SHC2	ENST00000264554	chr19	425231 +	N.CDS-CDS:7X	0	0	1	1er1	Out-of-frame
MIER2-CDK5RAP1	chr19	325635 +	chr19	325635 +	MIER2	ENST00000264819	chr19	325635 +	CDK5RAP1	ENST00000339269	chr19	325635 +	Y.CDS-CDS	0	1	1	1er1	In-frame
MIER3-ABCC12	chr5	56933247 +	chr5	48096932 +	MIER3	ENST00000381199	chr5	56933247 +	ABCC12	ENST00000497206	chr5	48096932 +	N.CDS-CDS	0	0	1	1er1	CDS-3UTR
MIER3-KIF9A	chr5	56933248 +	chr5	56933248 +	MIER3	ENST00000381199	chr5	56933248 +	KIF9A	ENST00000255428	chr5	56933248 +	Y.CDS-CDS	0	0	1	1er1	Out-of-frame
MIFF4D-SDC2	chr17	73447748 +	chr17	73447748 +	MIFF4D	ENST00000245575	chr17	73447748 +	SDC2	ENST00000392659	chr17	73447748 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame
MINK1-ALOX12	chr17	4833640 +	chr17	7000336 +	MINK1	ENST00000453408	chr17	4833640 +	ALOX12	ENST00000251535	chr17	7000336 +	Y.CDS-CDS	0	1	1	1er1	In-frame
MINK1-USO1	chr17	4833640 +	chr17	75799622 +	MINK1	ENST00000453408	chr17	4833640 +	USO1	ENST00000264904	chr17	75799622 +	Y.CDS-CDS	0	1	1	1er1	In-frame
MINK1-SPNS3	chr17	4833640 +	chr17	4478572 +	MINK1	ENST00000453408	chr17	4833640 +	SPNS3	ENST00000355350	chr17	4478572 +	Y.CDS-CDS	0	1	1	1er4	In-frame
MINK1-ALOX12	chr17	4833640 +	chr17	7000336 +	MINK1	ENST00000347992	chr17	4833640 +	ALOX12	ENST00000251535	chr17	7000336 +	Y.CDS-CDS	0	1	1	1er1	In-frame
MINK1-USO1	chr17	4833640 +	chr17	75799622 +	MINK1	ENST00000347992	chr17	4833640 +	USO1	ENST00000264904	chr17	75799622 +	Y.CDS-CDS	0	1	1	1er1	In-frame
MINK1-SPNS3	chr17	4833640 +	chr17	4478572 +	MINK1	ENST00000347992	chr17	4833640 +	SPNS3	ENST00000355350	chr17	4478572 +	Y.CDS-CDS	0	1	1	1er4	In-frame
MINK1-SPNS3	chr17	4833640 +	chr17	4478572 +	MINK1	ENST00000355350	chr17	4833640 +	SPNS3	ENST00000355350	chr17	4478572 +	Y.CDS-CDS	0	1	1	1er4	In-frame
MINOS1-GSE1	chr16	85665976 +	chr16	85665976 +	MINOS1	ENST00000322753	chr16	85665976 +	GSE1	ENST00000253458	chr16	85665976 +	Y.CDS-CDS	0	1	1	1er1	In-frame
MINOS1-DENND2C	chr1	114587952 +	chr1	114587952 +	MINOS1	ENST00000322753	chr1	114587952 +	DENND2C	ENST00000393274	chr1	114587952 +	Y.CDS-CDS	0	1	0	0	0
MINPP1-ASXL2	chr10	87505833 +	chr10	25845563 +	MINPP1	ENST00000371994	chr10	87505833 +	ASXL2	ENST00000336112	chr10	25845563 +	N.CDS-SUTR:10X	0	0	1	1er3	Out-of-frame
MINPP1-LIJP	chr10	87521169 +	chr10	88605633 +	MINPP1	ENST00000371994	chr10	87521169 +	LIJP	ENST00000317939	chr10	88605633 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame
MIOS-ADRF1	chr7	7574196 +	chr7	935505 +	MIOS	ENST00000340089	chr7	7574196 +	ADRF1	ENST00000265846	chr7	935505 +	Y.CDS-CDS	0	1	1	1er1	In-frame
MIP1-PC16	chr13	23836240 +	chr13	108855443 +	MIP1	ENST00000382172	chr13	23										

MMP9-UTRN	chr20	46016560 +	chr6	144344101 +	chr20	46016560 +	UTRN	ENST00000421035	chr6	144344101 +	N.3UTR-SUTR	0	0	1	chr3	NA			
MMS18-NDUFV1	chr10	97458326 -	chr11	67680226 +	MMS19	ENST00000372330	chr10	97458326 -	NDUFV1	ENST00000528314	chr11	67680226 +	N.3UTR-SUTR	0	0	1	chr3	NA	
MMS18-NDUFV1	chr10	97458326 -	chr10	72569273 +	MMS19	ENST00000372330	chr10	97458326 -	MMS19	ENST00000372330	chr10	72569273 +	N.CDS-SUTR	0	1	1	chr1	CDS-SUTR	
MMS18-CRTAC1	chr10	97498273 -	chr10	97908147 -	MMS19	ENST00000372330	chr10	97498273 -	CRTAC1	ENST00000309155	chr10	97908147 -	Y.CDS-CDS	0	1	1	chr1	In-frame	
MMS18-CRTAC1	chr10	97498273 -	chr10	97908147 -	MMS19	ENST00000372330	chr10	97498273 -	CRTAC1	ENST00000309155	chr10	97908147 -	Y.CDS-CDS	0	1	1	chr1	In-frame	
MNAT1-RASGEF1B	chr14	60734951 +	chr4	81459514 -	MNAT1	ENST00000261245	chr14	60734951 +	RASGEF1B	ENST00000264400	chr4	81459514 -	N.CDS-SUTR	0	0	1	chr2	CDS-SUTR	
MNAT1-SIX1	chr14	60646577 +	chr4	60646577 +	MNAT1	ENST00000261245	chr14	60646577 +	SIX1	ENST00000247182	chr4	60646577 +	Y.CDS-CDS	0	0	1	chr1	In-frame	
MNAT1-AP5M1	chr14	60879835 +	chr14	57274244 +	MNAT1	ENST00000261245	chr14	60879835 +	AP5M1	ENST00000261558	chr14	57274244 +	Y.CDS-CDS	0	1	1	chr1	In-frame	
MNAT1-SPS81	chr14	60879835 +	chr14	9367448 +	MNAT1	ENST00000261245	chr14	60879835 +	SPS81	ENST00000328089	chr14	9367448 +	N.CDS-CDS-15X	0	1	1	chr1	Out-of-frame	
MNAT1-AP5M1	chr14	60879835 +	chr14	60879835 +	MNAT1	ENST00000261245	chr14	60879835 +	AP5M1	ENST00000261558	chr14	60879835 +	Y.CDS-CDS	0	1	1	chr1	In-frame	
MNAT1-SPS81	chr14	60879835 +	chr14	9367448 +	MNAT1	ENST00000261245	chr14	60879835 +	SPS81	ENST00000328089	chr14	9367448 +	N.CDS-CDS-12X	0	1	1	chr1	Out-of-frame	
MND1-ARFIP1	chr4	15358622 +	chr4	15358622 +	MND1	ENST00000240488	chr4	15358622 +	ARFIP1	ENST00000451320	chr4	15358622 +	Y.CDS-CDS	0	1	1	chr1	In-frame	
MOB3A-PRDM13	chr19	20768111 +	chr6	99613033 +	MOB3A	ENST00000592280	chr19	20768111 +	PRDM13	ENST00000369215	chr6	99613033 +	N.CDS-CDS	0	1	1	chr3	Out-of-frame	
MOC51-LEM03	chr6	39925802 +	chr6	39925802 +	MOC51	ENST0000037186	chr6	39925802 +	LEM03	ENST0000038330	chr6	39925802 +	N.CDS-CDS-5X	0	1	1	chr1	Out-of-frame	
MOK-ANKRD66	chr14	10230462 -	chr6	46751937 +	MOK	ENST00000361847	chr14	10230462 -	ANKRD66	ENST00000565422	chr6	46751937 +	N.CDS-CDS	0	1	0	0	0	0
MOK-ANKRD66	chr14	10230462 -	chr6	46751937 +	MOK	ENST00000361847	chr14	10230462 -	ANKRD66	ENST00000565422	chr6	46751937 +	N.CDS-CDS	0	1	0	0	0	0
MON1A-MBD1D1	chr3	49229589 +	chr17	41225959 +	MON1A	ENST00000268943	chr3	49229589 +	MBD1D1	ENST00000405866	chr17	41225959 +	N.CDS-SUTR	0	0	1	1	chr1	CDS-SUTR
MON2-USP15	chr12	62467318 +	chr12	62389431 +	MON2	ENST00000393629	chr12	62467318 +	USP15	ENST00000280377	chr12	62389431 +	Y.CDS-CDS	0	0	1	1	chr1	In-frame
MON2-CHGB	chr12	62532551 +	chr20	5923698 +	MON2	ENST00000393629	chr12	62532551 +	CHGB	ENST00000378961	chr20	5923698 +	Y.CDS-CDS	0	1	0	0	0	0
MON2-PIP4K2C	chr12	62549830 +	chr12	57595888 +	MON2	ENST00000393629	chr12	62549830 +	PIP4K2C	ENST00000354947	chr12	57595888 +	Y.CDS-CDS	0	0	1	1	chr1	In-frame
MON2-TBC1D15	chr12	62566450 +	chr12	71872070 +	MON2	ENST00000393629	chr12	62566450 +	TBC1D15	ENST00000319106	chr12	71872070 +	Y.CDS-CDS	0	1	0	0	0	0
MON2-TBC1D15	chr12	62566450 +	chr12	71872070 +	MON2	ENST00000393629	chr12	62566450 +	TBC1D15	ENST00000319106	chr12	71872070 +	Y.CDS-CDS	0	1	0	0	0	0
MORC2-PATZ1	chr22	30967822 -	chr22	31335863 -	MORC2	ENST00000397641	chr22	30967822 -	PATZ1	ENST00000405309	chr22	31335863 -	N.CDS-CDS	0	1	1	1	chr1	Out-of-frame
MORC2-PATZ1	chr22	30967822 -	chr22	31335863 -	MORC2	ENST00000397641	chr22	30967822 -	PATZ1	ENST00000405309	chr22	31335863 -	N.CDS-CDS	0	1	1	1	chr1	Out-of-frame
MORC2-PATZ1	chr22	30967822 -	chr22	31335863 -	MORC2	ENST00000397641	chr22	30967822 -	PATZ1	ENST00000405309	chr22	31335863 -	N.CDS-CDS	0	1	1	1	chr1	Out-of-frame
MORC3-PCP4	chr21	36320303 +	chr21	39898476 +	MORC3	ENST00000404085	chr21	36320303 +	PCP4	ENST00000328619	chr21	39898476 +	Y.CDS-CDS	0	1	0	0	0	0
MORC3-DOPEY2	chr21	36345031 +	chr21	36270013 +	MORC3	ENST00000404085	chr21	36345031 +	DOPEY2	ENST00000399151	chr21	36270013 +	Y.CDS-CDS	0	0	1	1	chr1	In-frame
MORC3-FAM3B	chr21	36372531 +	chr21	41338378 +	MORC3	ENST00000404085	chr21	36372531 +	FAM3B	ENST00000357985	chr21	41338378 +	N.CDS-CDS-52X	0	0	1	1	chr1	Out-of-frame
MORF4L2-GLRA4	chrX	103678499 -	chrX	103719271 -	MORF4L2	ENST00000360458	chrX	103678499 -	GLRA4	ENST00000372671	chrX	103719271 -	N.5UTR-CDS	0	0	1	1	chr1	SUTR-CDS
MORF4L2-GLRA4	chrX	103678499 -	chrX	103719271 -	MORF4L2	ENST00000360458	chrX	103678499 -	GLRA4	ENST00000372671	chrX	103719271 -	N.5UTR-CDS	0	0	1	1	chr1	SUTR-CDS
MOSPD2-ARHGAP6	chrX	14873758 +	chrX	11182118 -	MOSPD2	ENST00000380492	chrX	14873758 +	ARHGAP6	ENST00000303025	chrX	11182118 -	Y.CDS-CDS	0	1	1	1	chr1	In-frame
MOSPD2-ARHGAP6	chrX	14873758 +	chrX	11182118 -	MOSPD2	ENST00000380492	chrX	14873758 +	ARHGAP6	ENST00000303025	chrX	11182118 -	Y.CDS-CDS	0	1	1	1	chr1	In-frame
MOSPD2-ARHGAP6	chrX	14873758 +	chrX	11182118 -	MOSPD2	ENST00000380492	chrX	14873758 +	ARHGAP6	ENST00000303025	chrX	11182118 -	Y.CDS-CDS	0	1	1	1	chr1	In-frame
MOSPD2-ARHGAP6	chrX	14873758 +	chrX	11182118 -	MOSPD2	ENST00000380492	chrX	14873758 +	ARHGAP6	ENST00000303025	chrX	11182118 -	Y.CDS-CDS	0	1	1	1	chr1	In-frame
MOV10-ZNHIT6	chr1	112675049 +	chr1	85680904 -	MOV10	ENST00000357443	chr1	112675049 +	ZNHIT6	ENST00000370574	chr1	85680904 -	Y.CDS-CDS	0	1	1	1	chr1	In-frame
MOV10-SYCP1	chr1	112690098 +	chr1	114895448 +	MOV10	ENST00000357443	chr1	112690098 +	SYCP1	ENST00000369518	chr1	114895448 +	N.CDS-CDS-10X	0	0	1	2	chr1	Out-of-frame
MPC1-ANX2	chr6	16638206 -	chr6	16638206 -	MPC1	ENST00000341756	chr6	16638206 -	ANX2	ENST00000234989	chr6	16638206 -	N.CDS-CDS	0	1	1	1	chr1	In-frame
MPC1-PXT1	chr6	16638206 -	chr6	36391874 -	MPC1	ENST00000341756	chr6	16638206 -	PXT1	ENST00000454782	chr6	36391874 -	N.5UTR-CDS	0	1	0	0	0	0
MPC1-PXT1	chr6	16638206 -	chr6	36391874 -	MPC1	ENST00000341756	chr6	16638206 -	PXT1	ENST00000454782	chr6	36391874 -	N.5UTR-CDS	0	1	0	0	0	0
MPC2-DNM3	chr1	167935733 -	chr1	172387133 +	MPC2	ENST00000367844	chr1	167935733 -	DNM3	ENST00000355305	chr1	172387133 +	N.CDS-CDS	0	1	1	1	chr1	Out-of-frame
MPC2-DNM3	chr1	167935733 -	chr1	172387133 +	MPC2	ENST00000367844	chr1	167935733 -	DNM3	ENST00000355305	chr1	172387133 +	N.CDS-CDS	0	1	1	1	chr1	Out-of-frame
MPC2-DNM3	chr1	167935733 -	chr1	172387133 +	MPC2	ENST00000367844	chr1	167935733 -	DNM3	ENST00000355305	chr1	172387133 +	N.CDS-CDS	0	1	1	1	chr1	Out-of-frame
MPC2-DNM3	chr1	167935733 -	chr1	172387133 +	MPC2	ENST00000367844	chr1	167935733 -	DNM3	ENST00000355305	chr1	172387133 +	N.CDS-CDS	0	1	1	1	chr1	Out-of-frame
MPDU1-SPEM1	chr17	7583965 +	chr17	7420627 +	MPDU1	ENST00000250124	chr17	7583965 +	SPEM1	ENST00000326755	chr17	7420627 +	N.CDS-CDS	0	1	1	1	chr1	Out-of-frame
MPDU1-GUCD1	chr17	7583965 +	chr22	24549001 +	MPDU1	ENST00000250124	chr17	7583965 +	GUCD1	ENST00000407471	chr22	24549001 +	Y.CDS-CDS	0	1	1	1	chr1	In-frame
MPDU1-DNAH9	chr17	7583965 +	chr17	11886625 +	MPDU1	ENST00000250124	chr17	7583965 +	DNAH9	ENST00000262442	chr17	11886625 +	N.CDS-CDS	0	1	1	1	chr1	Out-of-frame
MPDU1-DNAH9	chr17	7583965 +	chr17	11886625 +	MPDU1	ENST00000250124	chr17	7583965 +	DNAH9	ENST00000262442	chr17	11886625 +	N.CDS-CDS	0	1	1	1	chr1	Out-of-frame
MPDU1-DNAH9	chr17	7583965 +	chr17	11886625 +	MPDU1	ENST00000250124	chr17	7583965 +	DNAH9	ENST00000262442	chr17	11886625 +	N.CDS-CDS	0	1	1	1	chr1	Out-of-frame
MPDU1-DNAH9	chr17	7583965 +	chr17	11886625 +	MPDU1	ENST00000250124	chr17	7583965 +	DNAH9	ENST00000262442	chr17	11886625 +	N.CDS-CDS	0	1	1	1	chr1	Out-of-frame
MPDU1-GUCD1	chr17	7583965 +	chr22	24549001 +	MPDU1	ENST00000250124	chr17	7583965 +	GUCD1	ENST00000407471	chr22	24549001 +	Y.CDS-CDS	0	1	1	1	chr1	In-frame
MPDU1-GUCD1	chr17	7583965 +	chr22	24549001 +	MPDU1	ENST00000250124	chr17	7583965 +	GUCD1	ENST00000407471	chr22	24549001 +	Y.CDS-CDS	0	1	1	1	chr1	In-frame
MPDU1-GUCD1	chr17	7583965 +	chr22	24549001 +	MPDU1	ENST00000250124	chr17	7583965 +	GUCD1	ENST00000407471	chr22	24549001 +	Y.CDS-CDS	0	1	1	1	chr1	In-frame
MPDU1-GUCD1	chr17	7583965 +	chr22	24549001 +	MPDU1	ENST00000250124	chr17	7583965 +	GUCD1	ENST00000407471	chr22	24549001 +	Y.CDS-CDS	0	1	1	1	chr1	In-frame
MPDZ-PLIN2	chr9	13188784 -	chr9	19131271 +	MPDZ	ENST00000319217	chr9	13188784 -	PLIN2	ENST00000434144	chr9	19131271 +	N.CDS-SUTR-2X	0	0	1	1	chr1	NA
MPDZ-ITPK1	chr9	13247635 -	chr9	13247635 -	MPDZ	ENST00000319217	chr9	13247635 -	ITPK1	ENST00000267615	chr9	13247635 -	N.CDS-CDS	0	1	1	1	chr1	Out-of-frame
MPDZ-LURAP1L	chr9	13247635 -	chr9	12821386 +	MPDZ	ENST00000319217	chr9	13247635 -	LURAP1L	ENST00000319264	chr9	12821386 +	Y.CDS-CDS	0	1	1	1	chr1	In-frame
MPS-SNRNP25	chr16	832256 +	chr16	57086 -	MPS	ENST00000251943	chr16	832256 +	SNRNP25	ENST00000239589	chr16	57086 -	N.CDS-CDS-1X	0	1	0	1	chr1	Out-of-frame
MPS-SNRNP25	chr16	832256 +	chr16	57086 -	MPS	ENST00000251943	chr16	832256 +	SNRNP25	ENST00000239589	chr16	57086 -	N.CDS-CDS-1X	0	1	0	1	chr1	Out-of-frame
MPS-SNRNP25	chr16	832256 +	chr16	57086 -	MPS	ENST00000251943	chr16	832256 +	SNRNP25	ENST00000239589	chr16	57086 -	N.CDS-CDS-1X	0	1	0	1	chr1	Out-of-frame
MPS-SNRNP25	chr16	832256 +	chr16	57086 -	MPS	ENST00000251943	chr16	832256 +	SNRNP25	ENST00000239589	chr16	57086 -	N.CDS-CDS-1X	0	1	0	1	chr1	Out-of-frame
MPHOSPH6-PLXDC1	chr16	82164082 -	chr10	20001775 +	MPHOSPH6	ENST00000258169	chr16	82164082 -	PLXDC1	ENST00000377242	chr10	20001775 +	N.CDS-CDS	0	0	1	2	chr1	Out-of-frame
MPHOSPH6-ATP8A2	chr13	19633961 +	chr13	25961575 +															

MSI2-CISD3	chr17	57401471 +	chr17	38730760 +	MSI2	ENST00000284073	chr17	57401471 +	CISD3	ENST00000613478	chr17	38730760 +	YCCDS-CDS	0	1	1	In-frame
MSI2-HNF1B	chr17	57401471 +	chr17	37710663 +	MSI2	ENST00000284073	chr17	57401471 +	HNF1B	ENST00000613727	chr17	37710663 +	N-CDS-CDS.3X	0	1	1	Out-of-frame
MSI2-UTP18	chr17	57401471 +	chr17	51996905 +	MSI2	ENST00000284073	chr17	57401471 +	UTP18	ENST00000614768	chr17	51996905 +	N-CDS-CDS.5X	0	1	1	Out-of-frame
MSI2-STM10	chr17	57529724 +	chr17	52072393 +	MSI2	ENST00000284073	chr17	57529724 +	CA10	ENST00000285273	chr17	52072393 +	YCCDS-CDS	0	0	0	In-frame
MSI2-SMDY3	chr17	57529724 +	chr17	246355094 +	MSI2	ENST00000284073	chr17	57529724 +	SMDY3	ENST00000403792	chr17	246355094 +	N-CDS-CDS.1X	0	0	1	CDS-SUTR
MSI2-YPEL2	chr17	57529724 +	chr17	59535215 +	MSI2	ENST00000284073	chr17	57529724 +	YPEL2	ENST00000312655	chr17	59535215 +	N-CDS-SUTR.12X	0	0	1	CDS-SUTR
MSI2-TEX2	chr17	57529724 +	chr17	64195095 +	MSI2	ENST00000284073	chr17	57529724 +	TEX2	ENST00000258991	chr17	64195095 +	N-CDS-CDS.9X	0	0	1	Out-of-frame
MSI2-EFCAB5	chr17	57529724 +	chr17	30051118 +	MSI2	ENST00000284073	chr17	57529724 +	EFCAB5	ENST00000394835	chr17	30051118 +	N-CDS-CDS.9X	0	0	1	CDS-SUTR
MSI2-AKAP1	chr17	57529724 +	chr17	57105441 +	MSI2	ENST00000284073	chr17	57529724 +	AKAP1	ENST00000314126	chr17	57105441 +	N-CDS-SUTR.10X	0	0	1	Out-of-frame
MSI2-BRD7	chr17	57529724 +	chr17	50322038 +	MSI2	ENST00000284073	chr17	57529724 +	BRD7	ENST00000394688	chr17	50322038 +	N-CDS-CDS.9X	0	0	1	Out-of-frame
MSI2-TOB1	chr17	57627303 +	chr17	50867602 +	MSI2	ENST00000284073	chr17	57627303 +	TOB1	ENST00000268957	chr17	50867602 +	N-CDS-SUTR.14X	0	0	1	CDS-SUTR
MSI2-ICAM2	chr17	57627303 +	chr17	64003964 +	MSI2	ENST00000284073	chr17	57627303 +	ICAM2	ENST00000412356	chr17	64003964 +	YCCDS-CDS	0	1	1	In-frame
MSI2-BCAS3	chr17	57625161 +	chr17	60808004 +	MSI2	ENST00000284073	chr17	57625161 +	BCAS3	ENST00000390652	chr17	60808004 +	YCCDS-CDS	0	1	1	In-frame
MSL1-SHANK2	chr17	40123380 +	chr17	70896567 +	MSL1	ENST00000388532	chr17	40123380 +	SHANK2	ENST00000460048	chr17	70896567 +	N-CDS-SUTR.1X	0	0	1	NA
MSL2-OPRM1	chr3	136194972 +	chr3	154089826 +	MSL2	ENST00000309993	chr3	136194972 +	OPRM1	ENST00000229768	chr3	154089826 +	N-CDS-CDS	0	0	1	Out-of-frame
MSL2-PP2R3A	chr3	136194972 +	chr3	136145043 +	MSL2	ENST00000309993	chr3	136194972 +	PP2R3A	ENST00000269877	chr3	136145043 +	N-CDS-CDS	0	0	1	Out-of-frame
MSL2-STAG1	chr3	136194972 +	chr3	136390981 +	MSL2	ENST00000309993	chr3	136194972 +	STAG1	ENST00000236698	chr3	136390981 +	YCCDS-SUTR.2X	0	0	1	CDS-SUTR
MSL2-CEP70	chr3	136194972 +	chr3	138537347 +	MSL2	ENST00000309993	chr3	136194972 +	CEP70	ENST00000264892	chr3	138537347 +	N-CDS-CDS.1X	0	1	1	Out-of-frame
MSL2-STAG1	chr3	136194972 +	chr3	136349363 +	MSL2	ENST00000309993	chr3	136194972 +	STAG1	ENST00000236698	chr3	136349363 +	N-CDS-CDS	0	0	1	Out-of-frame
MSLN-UVRAG	chr16	788865 +	chr16	75983387 +	MSLN	ENST00000565494	chr16	788865 +	UVRAG	ENST00000356136	chr16	75983387 +	Y3UTR-CDS.1X	0	1	1	3UTR-CDS
MSLN-UVRAG	chr16	788865 +	chr16	75983387 +	MSLN	ENST00000565494	chr16	788865 +	UVRAG	ENST00000356136	chr16	75983387 +	Y3UTR-CDS.1X	0	1	1	3UTR-CDS
MSLN-UVRAG	chr16	788865 +	chr16	75983387 +	MSLN	ENST00000565494	chr16	788865 +	UVRAG	ENST00000356136	chr16	75983387 +	Y3UTR-CDS.1X	0	1	1	3UTR-CDS
MSMB-KLK3	chr10	46033305 +	chr19	50858029 +	MSMB	ENST00000581478	chr10	46033305 +	KLK3	ENST00000328003	chr19	50858029 +	N-ND-CDS.1X	0	1	2	3UTR-CDS
MSMB-SUPT16H	chr10	46033305 +	chr14	21361332 +	MSMB	ENST00000581478	chr10	46033305 +	SUPT16H	ENST00000216297	chr14	21361332 +	N-ND-CDS	0	1	1	3UTR-CDS
MSMB-ANXA1	chr10	46033311 +	chr6	73157654 +	MSMB	ENST00000581478	chr10	46033311 +	ANXA1	ENST00000376911	chr6	73157654 +	N-SUTR-SUTR.16X	0	0	1	3UTR-SUTR
MSN-NLR4	chrX	65667853 +	chrX	32236339 +	MSN	ENST00000360270	chrX	65667853 +	NLR4	ENST00000342905	chrX	32236339 +	N-CDS-CDS	0	0	1	In-frame
MSN-HTR3D	chrX	65667853 +	chrX	184038021 +	MSN	ENST00000360270	chrX	65667853 +	HTR3D	ENST00000334128	chrX	184038021 +	YCCDS-CDS	0	0	1	In-frame
MSRA-SPAG11B	chr8	10054658 +	chr8	7462859 +	MSRA	ENST00000518255	chr8	10054658 +	SPAG11B	ENST00000361111	chr8	7462859 +	YCCDS-CDS	0	1	1	In-frame
MSRA-SPAG11B	chr8	10054658 +	chr8	7462859 +	MSRA	ENST00000518255	chr8	10054658 +	SPAG11B	ENST00000361111	chr8	7462859 +	YCCDS-CDS	0	1	1	In-frame
MSRA-SPAG11B	chr8	10054658 +	chr8	7462859 +	MSRA	ENST00000518255	chr8	10054658 +	SPAG11B	ENST00000361111	chr8	7462859 +	YCCDS-CDS	0	1	1	In-frame
MSRA-SPAG11B	chr8	10054658 +	chr8	7462859 +	MSRA	ENST00000518255	chr8	10054658 +	SPAG11B	ENST00000361111	chr8	7462859 +	YCCDS-CDS	0	1	1	In-frame
MSRA-ESCO2	chr8	10054658 +	chr8	27799541 +	MSRA	ENST00000317173	chr8	10054658 +	ESCO2	ENST00000305188	chr8	27799541 +	N-CDS-CDS	0	0	1	Out-of-frame
MSRA-AGPAT5	chr8	10319989 +	chr8	6755051 +	MSRA	ENST00000317173	chr8	10319989 +	AGPAT5	ENST00000285518	chr8	6755051 +	N-CDS-CDS.3X	0	0	1	Out-of-frame
MSRA-CSGALNACT	chr8	10319989 +	chr8	19408694 +	MSRA	ENST00000317173	chr8	10319989 +	CSGALNACT	ENST00000332246	chr8	19408694 +	YCCDS-CDS	0	1	1	In-frame
MSRA-SOAT1	chr8	10319989 +	chr8	179348923 +	MSRA	ENST00000317173	chr8	10319989 +	SOAT1	ENST00000367819	chr8	179348923 +	N-CDS-CDS	0	1	1	In-frame
MSRB3-CNOT2	chr12	65278865 +	chr12	70335438 +	MSRB3	ENST00000355191	chr12	65278865 +	CNOT2	ENST00000229195	chr12	70335438 +	YCCDS-CDS	0	1	1	In-frame
MSRB3-BCL2L14	chr12	65278865 +	chr12	12051796 +	MSRB3	ENST00000380259	chr12	65278865 +	BCL2L14	ENST00000412684	chr12	12051796 +	N-SUTR-SUTR.1X	0	0	1	NA
MSRB3-CNOT2	chr12	65278865 +	chr12	70335438 +	MSRB3	ENST00000380259	chr12	65278865 +	CNOT2	ENST00000229195	chr12	70335438 +	YCCDS-CDS	0	1	1	In-frame
MSRB3-JAZF1	chr12	65282603 +	chr12	27840867 +	MSRB3	ENST00000380259	chr12	65282603 +	JAZF1	ENST00000238298	chr12	27840867 +	N-CDS-CDS	0	0	1	Out-of-frame
MSRB3-ACTR5	chr12	65369026 +	chr20	38771559 +	MSRB3	ENST00000380259	chr12	65369026 +	ACTR5	ENST00000243903	chr20	38771559 +	N-CDS-CDS	0	0	1	Out-of-frame
MSRB3-CODC57	chr12	65430325 +	chr17	82101866 +	MSRB3	ENST00000380259	chr12	65430325 +	CODC57	ENST00000389941	chr17	82101866 +	N-CDS-CDS.4X	0	1	0	Out-of-frame
MSR1-FTFRD	chr12	48985167 +	chr23	26488929 +	MSR1	ENST00000296474	chr12	48985167 +	FTFRD	ENST00000284333	chr23	26488929 +	N-CDS-CDS.5X	0	1	1	Out-of-frame
MSR1-FTFRD	chr12	48985167 +	chr23	26488929 +	MSR1	ENST00000296474	chr12	48985167 +	FTFRD	ENST00000284333	chr23	26488929 +	N-CDS-CDS.5X	0	1	1	Out-of-frame
MTA1-PACS2	chr14	105420063 +	chr14	105394554 +	MTA1	ENST00000313200	chr14	105420063 +	PACS2	ENST00000325438	chr14	105394554 +	YCCDS-CDS	0	0	1	In-frame
MTA1-PACS2	chr14	105420063 +	chr14	105394554 +	MTA1	ENST00000313200	chr14	105420063 +	PACS2	ENST00000325438	chr14	105394554 +	YCCDS-CDS	0	0	1	Out-of-frame
MTA2-CDHR5	chr11	62595264 +	chr11	6181111 +	MTA2	ENST00000278823	chr11	62595264 +	CDHR5	ENST00000349570	chr11	6181111 +	YCCDS-CDS	0	1	1	In-frame
MTA2-UBXN1	chr11	62597316 +	chr11	62678952 +	MTA2	ENST00000278823	chr11	62597316 +	UBXN1	ENST00000294119	chr11	62678952 +	N-CDS-SUTR.8X	0	0	1	NA
MTA2-UBXN1	chr11	62597316 +	chr11	62678952 +	MTA2	ENST00000278823	chr11	62597316 +	UBXN1	ENST00000294119	chr11	62678952 +	N-CDS-SUTR.8X	0	0	1	NA
MTAP-EEF1A2	chr9	21802781 +	chr9	21802781 +	MTAP	ENST00000589007	chr9	21802781 +	EEF1A2	ENST00000211812	chr9	21802781 +	YCCDS-CDS	0	0	1	CDS-SUTR
MTAP-EEF1A2	chr9	21802781 +	chr9	21802781 +	MTAP	ENST00000589007	chr9	21802781 +	EEF1A2	ENST00000211812	chr9	21802781 +	YCCDS-CDS	0	0	1	In-frame
MTAP-POC1B	chr9	21802781 +	chr9	21802781 +	MTAP	ENST00000589007	chr9	21802781 +	POC1B	ENST00000313546	chr9	21802781 +	N-CDS-CDS	0	0	1	Out-of-frame
MTAP-CDKN2A	chr9	21815519 +	chr9	21968242 +	MTAP	ENST00000380172	chr9	21815519 +	CDKN2A	ENST00000304494	chr9	21968242 +	N-CDS-CDS	0	0	1	Out-of-frame
MTAP-CDKN2A	chr9	21815519 +	chr9	21968242 +	MTAP	ENST00000380172	chr9	21815519 +	CDKN2A	ENST00000304494	chr9	21968242 +	N-CDS-CDS	0	0	1	Out-of-frame
MTAP-LINGO2	chr9	21838010 +	chr9	21838010 +	MTAP	ENST00000380172	chr9	21838010 +	LINGO2	ENST00000308875	chr9	21838010 +	N-CDS-SUTR	0	0	1	CDS-SUTR
MTAP-LINGO2	chr9	21838010 +	chr9	21838010 +	MTAP	ENST00000380172	chr9	21838010 +	LINGO2	ENST00000308875	chr9	21838010 +	N-CDS-SUTR.4X	0	0	1	CDS-SUTR
MTAP-LINGO2	chr9	21838010 +	chr9	21838010 +	MTAP	ENST00000380172	chr9	21838010 +	LINGO2	ENST00000308875	chr9	21838010 +	N-CDS-SUTR.3X	0	0	1	CDS-SUTR
MTAP-EXOC6B	chr9	21854870 +	chr2	72379870 +	MTAP	ENST00000380172	chr9	21854870 +	EXOC6B	ENST00000272427	chr2	72379870 +	YCCDS-CDS	0	1	1	In-frame
MTCH2-FHIT	chr11	47638699 +	chr11	47638699 +	MTCH2	ENST00000302503	chr11	47638699 +	FHIT	ENST00000466788	chr11	47638699 +	N-CDS-SUTR.1X	0	1	1	In-frame
MTCH2-FHIT	chr11	47638699 +	chr11	47638699 +	MTCH2	ENST00000302503	chr11	47638699 +	FHIT	ENST00000466788	chr11	47638699 +	N-CDS-SUTR.1X	0	1	1	In-frame
MTCH2-FHIT	chr11	47638699 +	chr11	47638699 +	MTCH2	ENST00000302503	chr11	47638699 +	FHIT	ENST00000466788	chr11	47638699 +	N-CDS-SUTR.1X	0	1	1	In-frame
MTCH2-FHIT	chr11	47638699 +	chr11	47638699 +	MTCH2	ENST00000302503	chr11	47638699 +	FHIT	ENST00000466788	chr11	47638699 +	N-CDS-SUTR.1X	0	1	1	In-frame
MTCH2-FHIT	chr11	47638699 +	chr11	47638699 +	MTCH2	ENST00000302503	chr11	47638699 +	FHIT	ENST00000466788	chr11	47638699 +	N-CDS-SUTR.1X	0	1	1	In-frame
MTCH2-FHIT	chr11	47638699 +	chr11	47638699 +	MTCH2	ENST00000302503	chr11	47638699 +	FHIT	ENST00000466788	chr11	47638699 +	N-CDS-SUTR.1X	0	1	1	In-frame
MTCH2-FHIT	chr11	47638699 +	chr11	47638699 +	MTCH2	ENST00000302503	chr11	47638699 +	FHIT	ENST00000466788	chr11	47638699 +	N-CDS-SUTR.1X	0	1	1	In-frame

MYH9-DNASE1	chr22	36301534	chr16	3654961	MYH9	ENST00000216181	chr22	36301534	DNASE1	ENST00000246949	chr16	3654961	N.CDS-SUTR.28X	0	0	1	1	chr4	CDS-SUTR				
MYH9-SORCS1	chr22	36305033	chr10	106730114	MYH9	ENST00000216181	chr22	36305033	SORCS1	ENST00000263054	chr10	106730114	N.CDS-CDS.17X	0	0	1	0	1	1	chr4	CDS-SUTR		
MYH9-CACNG2	chr22	36324249	chr22	36324249	MYH9	ENST00000216181	chr22	36324249	CACNG2	ENST00000263054	chr22	36324249	Y.CDS-CDS	0	0	1	0	1	1	chr4	Out-of-frame		
MYH9-TXN2	chr22	36324249	chr22	36324249	MYH9	ENST00000216181	chr22	36324249	TXN2	ENST00000216185	chr22	36324249	Y.CDS-CDS.14X	0	0	1	0	1	1	chr4	Out-of-frame		
MYH9-TXN2	chr22	36324249	chr22	36324249	MYH9	ENST00000216181	chr22	36324249	TXN2	ENST00000216185	chr22	36324249	Y.CDS-CDS	0	0	1	0	1	1	chr4	In-frame		
MYH9-CACNG2	chr22	36326568	chr22	36326568	MYH9	ENST00000216181	chr22	36326568	CACNG2	ENST00000300105	chr22	36326568	N.CDS-CDS.4X	0	0	1	0	1	1	chr4	Out-of-frame		
MYH9-EMID1	chr22	36348904	chr22	29214926	MYH9	ENST00000216181	chr22	36348904	EMID1	ENST00000334018	chr22	29214926	N.CDS-CDS.3X	0	0	1	0	1	1	chr4	Out-of-frame		
MYH9-ORA0V1	chr22	36348904	chr11	69673321	MYH9	ENST00000216181	chr22	36348904	ORA0V1	ENST00000279147	chr11	69673321	N.CDS-CDS.3X	0	0	1	0	1	1	chr4	Out-of-frame		
MYH9-PLA2G6	chr22	36387807	chr22	36186471	MYH9	ENST00000216181	chr22	36387807	PLA2G6	ENST00000332509	chr22	36186471	N.SUTR-SUTR	0	0	1	0	1	1	chr4	SUTR-SUTR		
MYH9-TXN2	chr22	36387807	chr22	36387807	MYH9	ENST00000216181	chr22	36387807	TXN2	ENST00000216185	chr22	36387807	N.SUTR-CDS	0	0	1	0	1	1	chr4	SUTR-CDS		
MYH9-HSP90AA1	chr22	36387807	chr14	102084564	MYH9	ENST00000216181	chr22	36387807	HSP90AA1	ENST00000216281	chr14	102084564	N.SUTR-CDS	0	0	1	0	1	1	chr4	SUTR-CDS		
MYH9-CACNG2	chr22	36387807	chr22	36387807	MYH9	ENST00000216181	chr22	36387807	CACNG2	ENST00000300105	chr22	36387807	N.SUTR-CDS	0	0	1	0	1	1	chr4	SUTR-CDS		
MYH9-CACNG2	chr22	36387807	chr22	36387807	MYH9	ENST00000216181	chr22	36387807	CACNG2	ENST00000300105	chr22	36387807	N.SUTR-CDS	0	0	1	0	1	1	chr4	SUTR-CDS		
MYH9-TXN2	chr22	36387807	chr22	36387807	MYH9	ENST00000216181	chr22	36387807	TXN2	ENST00000216185	chr22	36387807	N.SUTR-CDS	0	0	1	0	2	1	1	chr4	SUTR-CDS	
MYH9-CACNA1C	chr22	36387807	chr12	2115224	MYH9	ENST00000216181	chr22	36387807	CACNA1C	ENST00000327702	chr12	2115224	N.SUTR-CDS	0	0	1	0	1	3	1	chr4	SUTR-CDS	
MYH9-PVALB	chr22	36387807	chr22	36817012	MYH9	ENST00000216181	chr22	36387807	PVALB	ENST00000216200	chr22	36817012	N.SUTR-SUTR	0	0	1	0	1	1	1	chr4	SUTR-SUTR	
MYL6-SUPT16H	chr12	56161574	chr14	21361332	MYL6	ENST00000293422	chr12	56161574	SUPT16H	ENST00000216297	chr14	21361332	Y.SUTR-ND.3X	0	0	1	0	1	1	1	chr4	SUTR-CDS	
MYL6-ZNF1X1	chr12	56161574	chr20	49246881	MYL6	ENST00000293422	chr12	56161574	ZNF1X1	ENST0000031752	chr20	49246881	N.SUTR-SUTR	0	0	1	0	1	1	1	chr4	SUTR-CDS	
MYL6-STA6	chr12	56161574	chr12	57102990	MYL6	ENST00000293422	chr12	56161574	STA6	ENST00000555375	chr12	57102990	N.SUTR-SUTR.1X	0	0	1	0	1	2	1	1	chr4	NA
MYL6-ABI3BP	chr12	56161575	chr3	100838464	MYL6	ENST00000548800	chr12	56161575	ABI3BP	ENST00000417114	chr3	100838464	N.SUTR-CDS	0	0	1	0	1	3	1	1	chr4	SUTR-CDS
MYL6-ABI3P	chr12	56161575	chr3	100838464	MYL6	ENST00000548800	chr12	56161575	ABI3P	ENST00000417114	chr3	100838464	N.SUTR-CDS	0	0	1	0	1	3	1	1	chr4	SUTR-CDS
MYL6-ZNF1X1	chr12	56161575	chr20	49246881	MYL6	ENST00000348108	chr12	56161575	ZNF1X1	ENST0000031752	chr20	49246881	N.SUTR-SUTR	0	0	1	0	1	1	1	1	chr4	SUTR-CDS
MYL6-SMARCC2	chr12	56161575	chr12	56168194	MYL6	ENST00000526945	chr12	56161575	SMARCC2	ENST00000267054	chr12	56168194	N.SUTR-CDS.1X	0	0	1	0	1	1	1	1	chr4	Out-of-frame
MYL6-VWA3A	chr12	56154092	MYL6B	ENST00000505661	MYL6B	ENST00000505661	chr12	56154092	VWA3A	ENST00000299840	chr16	22149787	N.SUTR-SUTR	0	0	1	0	1	1	1	1	chr4	Out-of-frame
MYL9-AAR2	chr20	36270533	chr20	36270533	MYL9	ENST00000279022	chr20	36270533	AAR2	ENST00000397286	chr20	36270533	N.CDS-CDS.1X	0	0	1	0	1	1	1	1	chr4	Out-of-frame
MYLIP-OR5V1	chr6	16130747	chr6	29356277	MYLIP	ENST00000356840	chr6	16130747	OR5V1	ENST00000377154	chr6	29356277	Y.CDS-SUTR.1X	0	0	1	0	1	1	1	1	chr4	CDS-SUTR
MYLK-SIAE	chr3	123612298	chr11	124673881	MYLK	ENST00000354792	chr3	123612298	SIAE	ENST00000263593	chr11	124673881	N.SUTR-SUTR.87X	0	0	1	0	1	3	1	1	chr4	SUTR-SUTR
MYLK-PARP1	chr3	123612298	chr3	123612298	MYLK	ENST00000354792	chr3	123612298	PARP1	ENST00000366790	chr3	123612298	N.SUTR-ND.89X	0	0	1	0	1	1	1	1	chr4	NA
MYLK-FLNA	chr3	123620207	chrX	154350207	MYLK	ENST00000354792	chr3	123620207	FLNA	ENST00000344736	chrX	154350207	Y.CDS-CDS	0	0	1	0	1	1	1	1	chr4	Out-of-frame
MYLK-PLXND1	chr3	123628183	MYLK	ENST00000354792	MYLK	ENST00000354792	chr3	123628183	PLXND1	ENST00000324093	chr3	123628183	N.SUTR-CDS	0	0	1	0	1	1	1	1	chr4	Out-of-frame
MYLK-NXPH1	chr3	123648971	chr7	8751008	MYLK	ENST00000346322	chr3	123648971	NXPH1	ENST00000405863	chr7	8751008	N.CDS-CDS.63X	0	0	1	0	1	1	1	1	chr4	Out-of-frame
MYLK-USP48	chr3	123793677	chr3	123793677	MYLK	ENST00000360722	chr3	123793677	USP48	ENST00000308271	chr3	123793677	Y.CDS-CDS	0	0	1	0	1	1	1	1	chr4	In-frame
MYLK-VAMP4	chr3	123793677	chr1	171710814	MYLK	ENST00000346322	chr3	123793677	VAMP4	ENST00000236192	chr1	171710814	N.CDS-CDS.2X	0	0	1	0	1	1	1	1	chr4	Out-of-frame
MYLK-USP48	chr3	123793677	chr3	123793677	MYLK	ENST00000475616	chr3	123793677	USP48	ENST00000308271	chr3	123793677	Y.CDS-CDS	0	0	1	0	1	1	1	1	chr4	In-frame
MYNL-NLGN1	chr3	169774561	chr3	173807680	MYNL	ENST00000349941	chr3	169774561	NLGN1	ENST00000361589	chr3	173807680	N.CDS-CDS.52X	0	0	1	0	1	1	1	1	chr4	Out-of-frame
MYNN-NLGN1	chr3	169775661	chr3	173807680	MYNN	ENST00000349841	chr3	169775661	NLGN1	ENST00000361589	chr3	173807680	Y.CDS-CDS	0	0	1	0	1	1	1	1	chr4	Out-of-frame
MYO10-RB1	chr5	16689824	chr5	16689824	MYO10	ENST00000274203	chr5	16689824	RB1	ENST00000267163	chr5	16689824	N.CDS-CDS.55X	0	0	1	0	1	1	1	1	chr4	Out-of-frame
MYO10-PFDN2	chr5	16710908	chr5	16710908	MYO10	ENST00000274203	chr5	16710908	PFDN2	ENST00000368010	chr5	16710908	Y.CDS-CDS	0	0	1	0	1	1	1	1	chr4	In-frame
MYO10-SLC12A7	chr5	16794646	chr5	16794646	MYO10	ENST00000274203	chr5	16794646	SLC12A7	ENST00000264930	chr5	16794646	N.CDS-CDS.4X	0	0	1	0	1	1	1	1	chr4	Out-of-frame
MYO10-FAM186A	chr5	16818009	chr12	50356248	MYO10	ENST00000274203	chr5	16818009	FAM186A	ENST00000327337	chr12	50356248	N.CDS-CDS	0	0	1	0	1	1	1	1	chr4	Out-of-frame
MYO10-DNAH5	chr5	16837609	chr5	16837609	MYO10	ENST0000057288	chr5	16837609	DNAH5	ENST00000265104	chr5	16837609	Y.CDS-CDS	0	0	1	0	1	1	1	1	chr4	In-frame
MYO10-NPR3	chr5	16837609	chr5	16837609	MYO10	ENST00000274203	chr5	16837609	NPR3	ENST00000265074	chr5	16837609	N.CDS-CDS	0	0	1	0	1	1	1	1	chr4	Out-of-frame
MYO10-ST6GALNA3	chr5	16935788	chr1	76313805	MYO10	ENST0000057288	chr5	16935788	ST6GALNA3	ENST00000328299	chr1	76313805	Y.CDS-CDS	0	0	1	0	1	1	1	1	chr4	In-frame
MYO15A-TOP3A	chr17	18274980	chr17	18274980	MYO15A	ENST00000205890	chr17	18274980	TOP3A	ENST00000321105	chr17	18274980	N.CDS-CDS.72X	0	0	1	0	1	1	1	1	chr4	Out-of-frame
MYO15B-LLGL2	chr17	75596899	chr17	75596899	MYO15B	ENST00000584560	chr17	75596899	LLGL2	ENST00000167462	chr17	75596899	Y.SUTR-CDS.1X	0	0	1	0	1	1	1	1	chr4	SUTR-CDS
MYO15B-IGSF5	chr17	75612016	chr21	39792008	MYO15B	ENST00000578462	chr17	75612016	IGSF5	ENST00000380568	chr21	39792008	N.SUTR-CDS.1X	0	0	1	0	1	1	1	1	chr4	SUTR-CDS
MYO18A-FAM3	chr17	29082316	chr17	29082316	MYO18A	ENST00000318217	chr17	29082316	FAM3	ENST00000327372	chr17	29082316	Y.CDS-CDS	0	0	1	0	1	1	1	1	chr4	Out-of-frame
MYO18A-MYO10	chr17	29082316	chr17	29082316	MYO18A	ENST00000318217	chr17	29082316	MYO10	ENST00000394649	chr17	29082316	N.SUTR-CDS.1X	0	0	1	0	1	1	1	1	chr4	Out-of-frame
MYO18A-IGF2	chr17	29094013	chr11	2149345	MYO18A	ENST00000527372	chr17	29094013	IGF2	ENST00000356578	chr11	2149345	N.CDS-CDS.5X	0	0	1	0	1	1	1	1	chr4	NA
MYO18A-ALDOB	chr17	29096761	chr17	29096761	MYO18A	ENST00000527372	chr17	29096761	ALDOB	ENST00000374855	chr17	29096761	Y.CDS-SUTR.1X	0	0	1	0	1	1	1	1	chr4	CDS-SUTR
MYO18A-NUFIP2	chr17	29165942	chr17	29165942	MYO18A	ENST00000527372	chr17	29165942	NUFIP2	ENST00000225388	chr17	29165942	N.CDS-CDS	0	0	1	0	1	1	1	1	chr4	Out-of-frame
MYO18A-BCAS3	chr17	29165942	chr17	29165942	MYO18A	ENST00000527372	chr17	29165942	BCAS3	ENST00000390652	chr17	29165942	Y.CDS-CDS	0	0	1	0	1	1	1	1	chr4	In-frame
MYO18A-ZBTB46	chr17	29165942	chr20	63790790	MYO18A	ENST00000527372	chr17	29165942	ZBTB46	ENST00000245663	chr20	63790790	Y.CDS-SUTR.1X	0	0	1	0	1	1	1	1	chr4	CDS-SUTR
MYO18A-SERGEF	chr17	29165942	chr17	29165942	MYO18A	ENST00000527372	chr17	29165942	SERGEF	ENST00000265965	chr17	29165942	N.CDS-CDS	0	0	1	0	1	1	1	1	chr4	In-frame
MYO18A-RNF135	chr17	29180313	chr17	29180313	MYO18A	ENST00000527372	chr17	29180313	RNF135	ENST00000324689	chr17	29180313	N.SUTR-CDS.2X										

NAGA-TCF20	chr22	42060924	chr22	420719702	NAGA	ENST00000396398	chr22	42060924	TCF20	ENST00000396398	chr22	42179702	YCCDS-CDS	0	0	1	1er2	
NAGA-WBP2NL	chr22	42062827	chr22	420370720	NAGA	ENST00000396398	chr22	42062827	WBP2NL	ENST00000396398	chr22	420370720	N.CDS-SUTR-6X	0	0	1	1er1	In-frame
NANS-NCB1	chr9	98069697	chr9	98069697	NANS	ENST00000210444	chr9	98069697	NCB1	ENST00000210444	chr9	98069697	N.CDS-SUTR-7X	0	0	1	1er1	CDS-SUTR
NANS-WNK2	chr9	98069697	chr9	98069697	NANS	ENST00000210444	chr9	98069697	WNK2	ENST00000297554	chr9	98069697	YCCDS-CDS	0	0	1	0	
NANS-NCBP1	chr9	97658640	chr9	97658640	NANS	ENST00000210444	chr9	97658640	NCBP1	ENST00000375147	chr9	97658640	N.CDS-CDS-11X	0	0	1	0	
NAP1L1-OSTF1	chr12	76074203	chr12	76074203	NAP1L1	ENST00000261182	chr12	76074203	OSTF1	ENST00000346234	chr12	76074203	N.CDS-CDS	0	0	1	1er1	Out-of-frame
NAP1L1-OSTF1	chr12	76074203	chr12	76074203	NAP1L1	ENST00000393263	chr12	76074203	OSTF1	ENST00000346234	chr12	76074203	N.CDS-CDS	0	0	1	1er1	Out-of-frame
NAP1L1-PTPRR	chr12	70764778	chr12	70764778	NAP1L1	ENST00000261182	chr12	70764778	PTPRR	ENST00000283228	chr12	70764778	N.SUTR-CDS	0	0	1	1er1	Out-of-frame
NAP1L1-STK38L	chr12	76084567	chr12	76084567	NAP1L1	ENST00000261182	chr12	76084567	STK38L	ENST00000389032	chr12	76084567	N.SUTR-SUTR	0	0	1	1er1	SUTR-CDS
NAP1L4-OSTF1	chr11	2951259	chr11	2951259	NAP1L4	ENST00000528115	chr11	2951259	OSTF1	ENST00000303084	chr11	2951259	YCCDS-CDS	0	0	1	0	
NAP1L4-ATP11B	chr11	2964680	chr11	2964680	NAP1L4	ENST00000528115	chr11	2964680	ATP11B	ENST00000323116	chr11	2964680	YCCDS-CDS	0	0	1	1er1	In-frame
NAP1L4-CARS	chr11	2978284	chr11	2978284	NAP1L4	ENST00000380542	chr11	2978284	CARS	ENST00000278224	chr11	2978284	N.CDS-CDS	0	0	1	1er1	Out-of-frame
NAPA-PLAC1	chr19	47514843	chr19	47514843	NAPA	ENST00000263554	chr19	47514843	PLAC1	ENST00000359237	chr19	47514843	YCCDS-SUTR-1X	0	0	1	1er1	CDS-SUTR
NAPB-CST9L	chr20	23394922	chr20	23394922	NAPB	ENST00000432543	chr20	23394922	CST9L	ENST00000376979	chr20	23394922	YCCDS-CDS	0	0	1	1er1	In-frame
NAPB-CST9L	chr20	23394922	chr20	23394922	NAPB	ENST00000377026	chr20	23394922	CST9L	ENST00000376979	chr20	23394922	YCCDS-CDS	0	0	1	1er1	In-frame
NAPB-CST9L	chr20	23394922	chr20	23394922	NAPB	ENST00000398425	chr20	23394922	CST9L	ENST00000376979	chr20	23394922	YCCDS-CDS	0	0	1	1er1	In-frame
NAPFLD-RELN	chr7	103128483	chr7	103128483	NAPFLD	ENST00000341533	chr7	103128483	RELN	ENST00000343529	chr7	103128483	YCCDS-CDS	0	0	1	1er1	In-frame
NAPG-GREB1L	chr18	10530837	chr18	10530837	NAPG	ENST00000322897	chr18	10530837	GREB1L	ENST00000269218	chr18	10530837	YCCDS-CDS	0	0	1	1er1	In-frame
NAPSA-SEC63	chr19	50358478	chr19	50358478	NAPSA	ENST00000253719	chr19	50358478	SEC63	ENST00000369002	chr19	50358478	N.SUTR-CDS-10X	0	0	1	1er4	NA
NAPSA-RNF213	chr19	50358478	chr19	50358478	NAPSA	ENST00000253719	chr19	50358478	RNF213	ENST00000319921	chr19	50358478	Y3UTR-CDS-1X	0	0	1	1er3	SUTR-CDS
NARF-OLFM2B	chr17	82460072	chr17	82460072	NARF	ENST00000309794	chr17	82460072	OLFM2B	ENST00000294794	chr17	82460072	YCCDS-CDS	0	0	1	0	
NARF-KRT24	chr17	82464430	chr17	82464430	NARF	ENST00000309794	chr17	82464430	KRT24	ENST00000264651	chr17	82464430	YCCDS-CDS	0	0	1	1er3	In-frame
NARF-HEADC	chr17	82439831	chr17	82439831	NARF	ENST00000309794	chr17	82439831	HEADC	ENST00000327949	chr17	82439831	N.CDS-CDS-10X	0	0	1	1er1	Out-of-frame
NARF-P4HB	chr17	81859387	chr17	81859387	NARF	ENST00000309794	chr17	81859387	P4HB	ENST00000576390	chr17	81859387	YCCDS-CDS	0	0	1	0	
NARF-P4HB	chr17	81859387	chr17	81859387	NARF	ENST00000309794	chr17	81859387	P4HB	ENST00000331483	chr17	81859387	YCCDS-CDS	0	0	1	0	
NARF-P4HB	chr17	81859387	chr17	81859387	NARF	ENST00000547515	chr17	81859387	P4HB	ENST00000576390	chr17	81859387	YCCDS-CDS	0	0	1	0	
NARF-P4HB	chr17	81859387	chr17	81859387	NARF	ENST00000547515	chr17	81859387	P4HB	ENST00000331483	chr17	81859387	YCCDS-CDS	0	0	1	0	
NARF-P4HB	chr17	81859387	chr17	81859387	NARF	ENST00000547515	chr17	81859387	P4HB	ENST00000331483	chr17	81859387	YCCDS-CDS	0	0	1	0	
NARS2-ME3	chr11	78528842	chr11	78528842	NARS2	ENST00000281038	chr11	78528842	ME3	ENST00000323418	chr11	78528842	YCCDS-SUTR	0	0	1	1er1	In-frame
NARS2-RSF1	chr11	78528842	chr11	78528842	NARS2	ENST00000281038	chr11	78528842	RSF1	ENST00000308488	chr11	78528842	N.CDS-CDS-10X	0	0	1	0	
NARS2-TOPI	chr11	78528842	chr11	78528842	NARS2	ENST00000281038	chr11	78528842	TOPI	ENST00000308488	chr11	78528842	N.CDS-CDS-10X	0	0	1	0	
NARS2-TOPI	chr11	78528842	chr11	78528842	NARS2	ENST00000281038	chr11	78528842	TOPI	ENST00000308488	chr11	78528842	YCCDS-CDS	0	0	1	1er1	In-frame
NARS2-ALG8	chr11	78559539	chr11	78559539	NARS2	ENST00000281038	chr11	78559539	ALG8	ENST00000299626	chr11	78559539	YCCDS-CDS	0	0	1	0	
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000372052	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST00000305030	chr1	45842625	PIK3R3	ENST00000262741	chr1	45842625	YCCDS-CDS	0	0	1	1er2	In-frame
NASP-PIK3R3	chr1	45842625	chr1	45842625	NASP	ENST0000												

NOR2-DHX37	ch12	124466173	ch12	124965812	NOR2	ENST00000405201	ch12	124466173	DHX37	ENST00000308736	ch12	124965812	Y-CDS-CDS	0	1	1er1	In-frame
NOR2-DHX37	ch12	124466441	ch12	124966265	NOR2	ENST00000404621	ch12	124466441	DHX37	ENST00000308736	ch12	124966265	N-CDS-CDS	0	1	1er1	Out-of-frame
NOR2-SCARB1	ch12	124495147	ch12	124817707	NOR2	ENST00000405201	ch12	124495147	SCARB1	ENST00000261693	ch12	124817707	Y-CDS-CDS	0	1	1er1	In-frame
NOR2-MORN3	ch12	124495147	ch12	121652808	NOR2	ENST00000405201	ch12	124495147	MORN3	ENST00000355329	ch12	121652808	N-CDS-CDS	0	1	1er1	Out-of-frame
NOR2-MORN3	ch12	124495147	ch12	121652808	NOR2	ENST00000405201	ch12	124495147	MORN3	ENST00000355329	ch12	121652808	Y-CDS-CDS	0	1	0	—
NOR2-SCARB1	ch12	124495147	ch12	124817707	NOR2	ENST00000404621	ch12	124495147	SCARB1	ENST00000261693	ch12	124817707	Y-CDS-CDS	0	1	1er1	In-frame
NOR2-MORN3	ch12	124495147	ch12	121659348	NOR2	ENST00000404621	ch12	124495147	MORN3	ENST00000355329	ch12	121659348	N-CDS-CDS	0	1	1er1	Out-of-frame
NOR2-ITGB5	ch12	124518140	ch3	124809156	NOR2	ENST00000420698	ch12	124518140	ITGB5	ENST00000296181	ch3	124809156	N-SUTR-CDS:1X	0	0	1er1	NA
NOR2-SCARB1	ch12	124535565	ch12	124817707	NOR2	ENST00000404621	ch12	124535565	SCARB1	ENST00000261693	ch12	124817707	N-SUTR-CDS	0	2	1er1	SUTR-CDS
NOR2-SCARB1	ch12	124535565	ch12	124786503	NOR2	ENST00000404621	ch12	124786503	SCARB1	ENST00000261693	ch12	124786503	N-SUTR-CDS	0	1	1er1	SUTR-CDS
NOR2-SCARB1	ch12	124535565	ch12	124800242	NOR2	ENST00000404621	ch12	124535565	SCARB1	ENST00000261693	ch12	124800242	N-SUTR-CDS	0	0	1er1	SUTR-CDS
NOR2-SCARB1	ch12	124567308	ch12	124817707	NOR2	ENST00000485234	ch12	124567308	SCARB1	ENST00000261693	ch12	124817707	N-SUTR-CDS	0	0	2er1	NA
NOR2-PIP4K2B	ch12	124567308	ch17	38786920	NOR2	ENST00000485234	ch12	124567308	PIP4K2B	ENST00000617499	ch17	38786920	N-SUTR-SUTR:1X	0	0	1er1	NA
NOR2-SCARB1	ch12	124567308	ch12	124795268	NOR2	ENST00000485234	ch12	124567308	SCARB1	ENST00000261693	ch12	124795268	N-SUTR-CDS	0	0	1er1	NA
NCST1-GPR107	ch9	130172727	ch9	130172743	NCST1	ENST00000372398	ch9	130172727	GPR107	ENST00000347136	ch9	130172743	N-CDS-CDS	0	0	1er1	Out-of-frame
NCST1-ATP1A4	ch1	160344626	ch1	160344626	NCST1	ENST00000294785	ch1	160344626	ATP1A4	ENST00000368081	ch1	160344626	Y-CDS-CDS	0	1	1er1	In-frame
NCST1-ATP1A4	ch1	160344626	ch1	160176592	NCST1	ENST00000294785	ch1	160344626	ATP1A4	ENST00000368081	ch1	160176592	N-CDS-CDS	0	1	1er1	In-frame
NCSTN-SPRR2G	ch1	160354290	ch1	153150131	NCSTN	ENST00000294785	ch1	160354290	SPRR2G	ENST00000368748	ch1	153150131	N-CDS-SUTR:14X	0	0	1er1	CDS-SUTR
NCSTN-CCT3	ch1	160354290	ch1	156321025	NCSTN	ENST00000294785	ch1	160354290	CCT3	ENST00000295688	ch1	156321025	Y-CDS-CDS	0	1	0	—
NCSTN-SREBF1	ch1	160358946	ch17	17823630	NCSTN	ENST00000294785	ch1	160358946	SREBF1	ENST00000261646	ch17	17823630	N-SUTR-ND:30X	0	1	1er3	3UTR-SUTR
ND0C0-PPP4R1	ch18	25792029	ch18	9562075	ND0C0	ENST00000261597	ch18	25792029	PPP4R1	ENST00000400555	ch18	9562075	Y-CDS-CDS	0	1	1er1	In-frame
ND0C0-TTC39C	ch18	2610861	ch18	24123834	ND0C0	ENST00000261597	ch18	2610861	TTC39C	ENST00000304621	ch18	24123834	N-CDS-CDS:47X	0	1	1er4	Out-of-frame
NDEL1-CHD3	ch17	8448686	ch17	47827347	NDEL1	ENST00000334527	ch17	8448686	CHD3	ENST00000400681	ch17	47827347	Y-CDS-CDS	0	1	1er1	In-frame
NDEL1-CHD3	ch17	8448686	ch17	7910428	NDEL1	ENST00000334527	ch17	8448686	CHD3	ENST00000330494	ch17	7910428	Y-CDS-CDS	0	1	1er1	In-frame
NDEL1-WSCD1	ch17	8460190	ch17	6095102	NDEL1	ENST00000334527	ch17	8460190	WSCD1	ENST00000317744	ch17	6095102	N-CDS-CDS:25X	0	0	1er2	—
NDRG1-LARP1	ch8	133237176	ch8	154808459	NDRG1	ENST00000323851	ch8	133237176	LARP1	ENST00000363134	ch8	154808459	N-SUTR-CDS:5X	0	0	1er3	3UTR-CDS
NDRG1-SNTB1	ch8	133280232	ch8	120693908	NDRG1	ENST00000414097	ch8	133280232	SNTB1	ENST00000395601	ch8	120693908	N-CDS-CDS	0	1	0	—
NDRG1-MYC	ch8	133280232	ch8	127738251	NDRG1	ENST00000323851	ch8	133280232	MYC	ENST00000259523	ch8	127738251	Y-CDS-SUTR	0	0	1er1	NA
NDRG1-DAC73	ch8	133280232	ch8	46653075	NDRG1	ENST00000323851	ch8	133280232	DAC73	ENST00000300875	ch19	46653075	Y-CDS-SUTR	0	0	1er1	In-frame
NDRG1-STG02A	ch14	121016773	ch14	133476600	NDRG1	ENST00000323851	ch14	121016773	STG02A	ENST00000382428	ch14	133476600	N-CDS-SUTR:6X	0	1	1er1	CDS-SUTR
NDRG2-SEC83	ch14	21016773	ch14	107893578	NDRG2	ENST00000307853	ch14	21016773	SEC83	ENST00000369002	ch14	107893578	N-SUTR-CDS:13X	0	1	1er3	NA
NDRG2-KIF3A	ch14	21016773	ch14	132699574	NDRG2	ENST00000298684	ch14	21016773	KIF3A	ENST00000378735	ch14	132699574	Y-SUTR-ND:2X	0	1	1er3	NA
NDRG2-SPARC	ch14	21018763	ch14	151669784	NDRG2	ENST00000298684	ch14	21018763	SPARC	ENST00000231061	ch14	151669784	Y-CDS-CDS	0	1	0	—
NDRG3-BCAS4	ch20	36682518	ch20	50818211	NDRG3	ENST00000349004	ch20	36682518	BCAS4	ENST00000358791	ch20	50818211	Y-CDS-CDS	0	1	0	—
NDRG3-CPLX1	ch20	36746045	ch20	792608	NDRG3	ENST00000349004	ch20	36746045	CPLX1	ENST00000304062	ch20	792608	N-SUTR-CDS	0	0	1er1	SUTR-CDS
NDNF1-FAM144	ch5	150430967	ch5	150430967	NDNF1	ENST00000252491	ch5	150430967	FAM144	ENST00000351797	ch5	150430967	N-SUTR-SUTR	0	0	1er1	NA
NDST1-TCOF1	ch5	150389887	ch5	150389887	NDST1	ENST00000252491	ch5	150389887	TCOF1	ENST00000323668	ch5	150389887	N-SUTR-CDS	0	0	1er1	NA
NDST1-TCOF1	ch5	150521767	ch5	150521767	NDST1	ENST00000261797	ch5	150521767	TCOF1	ENST00000323668	ch5	150521767	Y-CDS-CDS	0	1	1er2	In-frame
NDUFA10-ANXA4	ch2	239990074	ch2	69781520	NDUFA10	ENST00000252711	ch2	239990074	ANXA4	ENST00000394295	ch2	69781520	N-CDS-SUTR:16X	0	0	2er3	CDS-SUTR
NDUFA10-SGPP2	ch2	239990074	ch2	222521767	NDUFA10	ENST00000252711	ch2	239990074	SGPP2	ENST00000321276	ch2	222521767	Y-CDS-CDS	0	1	1er1	In-frame
NDUFA12-STGALN1	ch12	9494170	ch9	127896332	NDUFA12	ENST00000327772	ch12	9494170	STGALN1	ENST00000373146	ch9	127896332	Y-CDS-CDS	0	1	0	—
NDUFA12-NUF107	ch12	95002739	ch12	95002739	NDUFA12	ENST00000327772	ch12	95002739	NUF107	ENST00000229179	ch12	95002739	N-CDS-CDS	0	0	1er1	Out-of-frame
NDUFA12-AVIL	ch12	57236512	ch12	57236512	NDUFA12	ENST00000327772	ch12	57236512	AVIL	ENST00000257861	ch12	57236512	Y-CDS-CDS:1X	0	1	1er1	In-frame
NDUFA12-AVIL	ch12	572365391	ch12	572365391	NDUFA12	ENST00000327772	ch12	572365391	AVIL	ENST00000257861	ch12	572365391	Y-CDS-CDS:1X	0	1	1er1	In-frame
NDUFA7-SHD3A	ch19	6755315	ch19	6755315	NDUFA7	ENST00000301457	ch19	6755315	SHD3A	ENST00000245908	ch19	6755315	N-CDS-CDS	0	1	1er1	Out-of-frame
NDUFA7-PRKCG	ch19	6755315	ch19	53903073	NDUFA7	ENST00000301457	ch19	6755315	PRKCG	ENST00000263431	ch19	53903073	N-CDS-CDS	0	0	1er1	Out-of-frame
NDUFA9-C12orf4	ch12	4462635	ch12	4491234	NDUFA9	ENST00000266544	ch12	4462635	C12orf4	ENST00000261250	ch12	4491234	N-CDS-CDS:8X	0	0	1er1	Out-of-frame
NDUFA9-ANKRD31	ch5	60945382	ch5	75084374	NDUFA9	ENST00000296597	ch5	60945382	ANKRD31	ENST00000274361	ch5	75084374	N-CDS-CDS	0	0	1er1	Out-of-frame
NDUFB5-NAALADL2	ch3	17523393	ch3	17523393	NDUFB5	ENST00000493865	ch3	17523393	NAALADL2	ENST00000454872	ch3	17523393	Y-CDS-CDS	0	1	0	—
NDUFB5-NAALADL2	ch3	17523393	ch3	17523393	NDUFB5	ENST00000493865	ch3	17523393	NAALADL2	ENST00000454872	ch3	17523393	Y-CDS-CDS	0	1	0	—
NDUFB9-TDRKH	ch8	124539287	ch8	115783049	NDUFB9	ENST00000276689	ch8	124539287	TDRKH	ENST00000368822	ch8	115783049	N-CDS-SUTR	0	0	2er1	CDS-SUTR
NDUFB9-CSMD3	ch8	124543279	ch8	11314793	NDUFB9	ENST00000276689	ch8	124543279	CSMD3	ENST00000297405	ch8	11314793	N-CDS-CDS	0	0	1er1	Out-of-frame
NDUFB9-NSMCE2	ch8	124547113	ch8	125357219	NDUFB9	ENST00000518008	ch8	124547113	NSMCE2	ENST00000287437	ch8	125357219	N-CDS-CDS:3X	0	1	0	—
NDUFC2-AAMD	ch11	77918061	ch11	77918061	NDUFC2	ENST00000281031	ch11	77918061	AAMD	ENST00000532481	ch11	77918061	N-CDS-CDS:3X	0	1	0	—
NDUFS1-KRTAP6-2	ch2	206127797	ch2	206127797	NDUFS1	ENST00000423725	ch2	206127797	KRTAP6-2	ENST00000334897	ch2	206127797	N-CDS-CDS	0	0	1er1	Out-of-frame
NDUFS2-ATP1A3	ch1	191972719	ch1	191972719	NDUFS2	ENST00000367993	ch1	191972719	ATP1A3	ENST00000302102	ch1	191972719	N-CDS-SUTR:1X	0	1	0	—
NDUFS2-ATP1A3	ch1	181212400	ch1	181212400	NDUFS2	ENST00000367993	ch1	181212400	ATP1A3	ENST00000302102	ch1	181212400	N-CDS-SUTR:21X	0	1	1er1	Out-of-frame
NDUFS4-UBE2D2	ch5	53607072	ch5	53607072	NDUFS4	ENST00000296684	ch5	53607072	UBE2D2	ENST00000253815	ch5	53607072	N-CDS-CDS	0	0	1er1	Out-of-frame
NDUFS4-EXTL3	ch5	53603530	ch5	53603530	NDUFS4	ENST00000296684	ch5	53603530	EXTL3	ENST00000205622	ch5	53603530	N-CDS-CDS	0	0	1er1	Out-of-frame
NDUFS4-GZMA	ch5	53658624	ch5	53658624	NDUFS4	ENST00000296684	ch5	53658624	GZMA	ENST00000274306	ch5	53658624	Y-CDS-CDS	0	1	1er1	In-frame
NDUFS4-TMPRSS2	ch5	53658624	ch21	41466153	NDUFS4	ENST00000296684	ch5	53658624	TMPRSS2	ENST00000398585	ch21	41466153	N-CDS-CDS:5X	0	1	1er1	Out-of-frame
NDUFS6-GGA2	ch5	1801495	ch5	23486077	NDUFS6	ENST00000469176	ch5	1801495	GGA2	ENST00000309859	ch16	23486077	Y-CDS-CDS	0	1	0	—
NDUFS6-C7	ch5	1802374	ch5	40928580	NDUFS6	ENST00000469176	ch5	1802374	C7	ENST00000313164	ch5	40928580	Y-CDS-CDS	0	1	0	—
NDUFS6-C7	ch5	1802374	ch5	40928580	NDUFS6	ENST00000469176	ch5	1802374	C7	ENST00000313164	ch5	40928580	Y-CDS-CDS	0	1	0	—
NDUFS7-STK11	ch19	1388593	ch19	1222985	NDUFS7	ENST00000233627	ch19	1388593	STK11								

NFASC-RTN3	chr1	204982020 +	chr11	63758156 +	FNASC	ENST00000339876	chr1	204982020 +	RTN3	ENST00000341307	chr11	63758156 +	N.CDS-CDS.24X	0	1	1	Out-of-frame
NFASC-PPP1R12B	chr1	204988806 +	chr11	202562778 +	FNASC	ENST00000339876	chr1	204988806 +	PPP1R12B	ENST00000608999	chr11	202562778 +	N.CDS-CDS.28X	0	1	1	Out-of-frame
NFAS16	chr16	69566374 +	chr16	69566374 +	NFAT5	ENST00000349945	chr16	69566374 +	VPR	ENST00000373581	chr16	69566374 +	N.SUTR-CDS	0	1	1	Out-of-frame
NFATS-DENNDC2	chr16	69566374 +	chr16	114587952 +	NFAT5	ENST00000349945	chr16	69566374 +	DENNDC2	ENST00000393274	chr16	114587952 +	N.SUTR-CDS	0	1	1	Out-of-frame
NFATS-NUP93	chr16	69566374 +	chr16	56798476 +	NFAT5	ENST00000349945	chr16	69566374 +	NUP93	ENST00000308159	chr16	56798476 +	N.SUTR-CDS	0	0	1	Out-of-frame
NFATS-PITPNM2	chr16	69566374 +	chr12	123034685 +	NFAT5	ENST00000349945	chr16	69566374 +	PITPNM2	ENST00000280562	chr12	123034685 +	N.SUTR-SUTR.1X	0	0	1	Out-of-frame
NFATS-IST1	chr16	69566374 +	chr16	71927614 +	NFAT5	ENST00000349945	chr16	69566374 +	IST1	ENST00000544564	chr16	71927614 +	N.SUTR-CDS	0	1	0	Out-of-frame
NFATS-CHST4	chr16	69566374 +	chr16	71536660 +	NFAT5	ENST00000349945	chr16	69566374 +	CHST4	ENST00000338482	chr16	71536660 +	N.SUTR-SUTR	0	0	1	CDS-SUTR
NFATS-TGFTL2	chr16	69566374 +	chr10	113141184 +	NFAT5	ENST00000349945	chr16	69566374 +	TGFTL2	ENST00000348198	chr10	113141184 +	N.SUTR-CDS.1X	0	0	1	Out-of-frame
NFATS-CSDM2	chr16	69566374 +	chr1	33550350 +	NFAT5	ENST00000349945	chr1	33550350 +	CSDM2	ENST00000373581	chr1	33550350 +	N.SUTR-CDS	0	1	1	In-frame
NFATS-CRYM	chr16	69566374 +	chr16	21269891 +	NFAT5	ENST00000349945	chr16	69566374 +	CRYM	ENST00000219599	chr16	21269891 +	N.SUTR-CDS	0	0	1	Out-of-frame
NFATS-FHOD1	chr16	69566374 +	chr16	67232194 +	NFAT5	ENST00000349945	chr16	69566374 +	FHOD1	ENST00000258201	chr16	67232194 +	N.SUTR-CDS	0	0	1	Out-of-frame
NFATS-NOB1	chr16	69566374 +	chr16	69754726 +	NFAT5	ENST00000349945	chr16	69566374 +	NOB1	ENST00000268802	chr16	69754726 +	N.SUTR-CDS	0	0	1	Out-of-frame
NFATS-HHAT	chr16	69566374 +	chr1	210387468 +	NFAT5	ENST00000349945	chr16	69566374 +	HHAT	ENST00000261458	chr1	210387468 +	N.SUTR-CDS	0	0	1	Out-of-frame
NFATS-NOO1	chr16	69566374 +	chr16	69718534 +	NFAT5	ENST00000349945	chr16	69566374 +	NOO1	ENST00000320623	chr16	69718534 +	N.SUTR-CDS	0	0	1	Out-of-frame
NFATS-SLCTA6	chr16	69566374 +	chr16	65287746 +	NFAT5	ENST00000349945	chr16	69566374 +	SLCTA6	ENST00000219543	chr16	65287746 +	N.SUTR-CDS	0	1	1	SUTR-CDS
NFATS-DYNLRB2	chr16	69566374 +	chr16	80549484 +	NFAT5	ENST00000349945	chr16	69566374 +	DYNLRB2	ENST00000305904	chr16	80549484 +	N.SUTR-CDS	0	1	1	In-frame
NFATS-DYNLRB2	chr16	69566374 +	chr16	80549484 +	NFAT5	ENST00000354436	chr16	69566374 +	DYNLRB2	ENST00000305904	chr16	80549484 +	Y.CDS-CDS	0	1	1	In-frame
NFATS-CDH3	chr16	69670288 +	chr16	68698191 +	NFAT5	ENST00000349945	chr16	69670288 +	CDH3	ENST00000264012	chr16	68698191 +	Y.CDS-CDS	0	0	1	In-frame
NFATC2-PHACTR3	chr20	51432067 +	chr20	59845189 +	NFATC2	ENST00000371564	chr20	51432067 +	PHACTR3	ENST00000355648	chr20	59845189 +	N.CDS-CDS.23X	0	0	1	Out-of-frame
NFATC2-DOK5	chr20	51516784 +	chr20	54554933 +	NFATC2	ENST00000396009	chr20	51516784 +	DOK5	ENST00000262593	chr20	54554933 +	Y.CDS-CDS	0	1	1	In-frame
NFATC2P-KIAA0556	chr16	28952024 +	chr16	27749584 +	NFATC2P	ENST00000320805	chr16	28952024 +	KIAA0556	ENST00000261588	chr16	27749584 +	Y.CDS-CDS	0	1	1	In-frame
NFATC2P-HSS374	chr16	28959100 +	chr16	26135612 +	NFATC2P	ENST00000320805	chr16	28959100 +	HSS374	ENST00000331551	chr16	26135612 +	N.CDS-CDS.7X	0	1	1	In-frame
NFATC3-SPATA33	chr16	68191775 +	chr16	89669286 +	NFATC3	ENST00000329524	chr16	68191775 +	SPATA33	ENST00000579310	chr16	89669286 +	Y.CDS-CDS	0	1	1	In-frame
NFE2-STARDD7	chr12	54300147 +	chr2	96187301 +	NFE2	ENST00000553700	chr12	54300147 +	STARDD7	ENST00000337288	chr2	96187301 +	N.SUTR-CDS.3X	0	0	1	Out-of-frame
NFE2L1-NPEPP5	chr17	48048462 +	chr17	47596353 +	NFE2L1	ENST00000357480	chr17	48048462 +	NPEPP5	ENST00000321517	chr17	47596353 +	N.SUTR-CDS	0	0	1	Out-of-frame
NFE2L1-CARM1	chr17	48057502 +	chr19	10912184 +	NFE2L1	ENST00000361665	chr17	48057502 +	CARM1	ENST00000327064	chr19	10912184 +	Y.CDS-CDS	0	1	0	Out-of-frame
NFE2L1-ENG	chr17	48057502 +	chr9	127820037 +	NFE2L1	ENST00000361665	chr17	48057502 +	ENG	ENST00000344849	chr9	127820037 +	Y.CDS-CDS	0	1	0	Out-of-frame
NFE2L1-PNPO	chr17	48057502 +	chr17	47943306 +	NFE2L1	ENST00000361665	chr17	48057502 +	PNPO	ENST00000225737	chr17	47943306 +	Y.CDS-CDS	0	1	0	Out-of-frame
NFE2L1-SLC39A11	chr17	48057502 +	chr17	72947875 +	NFE2L1	ENST00000361665	chr17	48057502 +	SLC39A11	ENST00000255559	chr17	72947875 +	Y.CDS-CDS	0	1	0	Out-of-frame
NFE2L1-SLC39A11	chr17	48057502 +	chr17	72947875 +	NFE2L1	ENST00000361665	chr17	48057502 +	SLC39A11	ENST00000542342	chr17	72947875 +	Y.CDS-CDS	0	1	1	In-frame
NFE2L1-SP2	chr17	48057502 +	chr17	47922962 +	NFE2L1	ENST00000361665	chr17	48057502 +	SP2	ENST00000367411	chr17	47922962 +	Y.CDS-CDS	0	1	0	Out-of-frame
NFE2L1-CARM1	chr17	48057502 +	chr19	10912184 +	NFE2L1	ENST00000357480	chr17	48057502 +	CARM1	ENST00000327064	chr19	10912184 +	Y.CDS-CDS	0	1	0	Out-of-frame
NFE2L1-ENG	chr17	48057502 +	chr9	127820037 +	NFE2L1	ENST00000357480	chr17	48057502 +	ENG	ENST00000344849	chr9	127820037 +	Y.CDS-CDS	0	1	0	Out-of-frame
NFE2L1-PNPO	chr17	48057502 +	chr17	47943306 +	NFE2L1	ENST00000357480	chr17	48057502 +	PNPO	ENST00000225737	chr17	47943306 +	Y.CDS-CDS	0	1	0	Out-of-frame
NFE2L1-SLC39A11	chr17	48057502 +	chr17	72947875 +	NFE2L1	ENST00000357480	chr17	48057502 +	SLC39A11	ENST00000255559	chr17	72947875 +	N.SUTR-CDS	0	1	1	In-frame
NFE2L1-SLC39A11	chr17	48057502 +	chr17	72947875 +	NFE2L1	ENST00000357480	chr17	48057502 +	SLC39A11	ENST00000542342	chr17	72947875 +	Y.CDS-CDS	0	1	1	In-frame
NFE2L1-SP2	chr17	48057502 +	chr17	47922962 +	NFE2L1	ENST00000357480	chr17	48057502 +	SP2	ENST00000367411	chr17	47922962 +	Y.CDS-CDS	0	1	0	Out-of-frame
NFE2L2-GAPVD1	chr2	177232392 +	chr9	125321433 +	NFE2L2	ENST00000397062	chr2	177232392 +	GAPVD1	ENST00000265956	chr9	125321433 +	Y.CDS-CDS	0	0	1	In-frame
NFE2L2-PDE11A	chr2	177232392 +	chr2	177232392 +	NFE2L2	ENST00000397062	chr2	177232392 +	PDE11A	ENST00000280603	chr2	177232392 +	Y.CDS-CDS	0	1	1	In-frame
NFE2L2-AGPS	chr2	177263437 +	chr2	177263437 +	NFE2L2	ENST00000397062	chr2	177263437 +	AGPS	ENST00000264167	chr2	177263437 +	N.SUTR-CDS	0	0	1	NA
NFE2L2-RFTN2	chr2	17204532 +	chr2	197572280 +	NFE2L2	ENST00000397062	chr2	17204532 +	RFTN2	ENST00000295049	chr2	197572280 +	Y.CDS-CDS	0	0	1	In-frame
NFE2L3-CH13	chr13	45980004 +	chr13	45980004 +	NFE2L3	ENST00000262913	chr13	45980004 +	CH13	ENST00000262913	chr13	45980004 +	N.CDS-CDS	0	1	1	Out-of-frame
NFE2L3-VMP1	chr7	24285241 +	chr7	59773754 +	NFE2L3	ENST00000397062	chr7	24285241 +	VMP1	ENST00000262913	chr7	59773754 +	Y.CDS-CDS	0	1	0	Out-of-frame
NFE2L3-NPY	chr7	26153068 +	chr7	24285241 +	NFE2L3	ENST0000056233	chr7	26153068 +	NPY	ENST00000242152	chr7	24285241 +	Y.CDS-CDS	0	1	1	In-frame
NFE2L3-TPST1	chr7	26183784 +	chr7	66352505 +	NFE2L3	ENST0000056233	chr7	26183784 +	TPST1	ENST00000304842	chr7	66352505 +	Y.CDS-CDS	0	1	0	Out-of-frame
NFIA-RNLS	chr1	61088680 +	chr10	88362725 +	NFIA	ENST00000371184	chr1	61088680 +	RNLS	ENST00000437752	chr10	88362725 +	N.CDS-ND	0	1	1	In-frame
NFIA-CYP2J2	chr1	61088680 +	chr1	59893829 +	NFIA	ENST00000371184	chr1	61088680 +	CYP2J2	ENST00000371204	chr1	59893829 +	Y.CDS-CDS	0	1	1	In-frame
NFIA-RNLS	chr1	61088680 +	chr10	88362725 +	NFIA	ENST00000371184	chr1	61088680 +	RNLS	ENST00000255559	chr10	88362725 +	Y.CDS-CDS	0	1	1	In-frame
NFIA-ZNF253	chr19	10989417 +	chr19	10989417 +	NFIA	ENST00000371184	chr19	10989417 +	ZNF253	ENST00000308859	chr19	10989417 +	Y.CDS-SUTR	0	1	1	In-frame
NFIA-LTV1	chr1	61277585 +	chr6	143846051 +	NFIA	ENST00000371184	chr1	61277585 +	LTV1	ENST00000367576	chr6	143846051 +	N.CDS-CDS.5X	0	0	1	Out-of-frame
NFIA-DCLK1	chr1	61332596 +	chr13	35839176 +	NFIA	ENST00000371184	chr1	61332596 +	DCLK1	ENST00000255448	chr13	35839176 +	N.CDS-CDS.7X	0	0	1	Out-of-frame
NFIA-CLCA1	chr1	61359274 +	chr1	86476448 +	NFIA	ENST00000371184	chr1	61359274 +	CLCA1	ENST00000234701	chr1	86476448 +	Y.CDS-CDS	0	1	1	In-frame
NFIA-FGGY	chr1	61383365 +	chr1	59660219 +	NFIA	ENST00000371184	chr1	61383365 +	FGGY	ENST00000303721	chr1	59660219 +	N.CDS-CDS.6X	0	0	1	Out-of-frame
NFIA-CDK2AP1	chr1	61406727 +	chr12	123267282 +	NFIA	ENST00000379777	chr1	61406727 +	CDK2AP1	ENST00000261952	chr12	123267282 +	Y.CDS-CDS	0	0	1	In-frame
NFIA-STGALNAC3	chr9	14146689 +	chr9	14146689 +	NFIB	ENST00000380924	chr9	14146689 +	STGALNAC3	ENST00000380924	chr9	14146689 +	N.CDS-SUTR.1X	0	0	1	Out-of-frame
NFIB-FREM1	chr9	14309699 +	chr9	14662326 +	NFIB	ENST00000380924	chr9	14309699 +	FREM1	ENST00000380800	chr9	14759901 +	Y.CDS-CDS	0	0	1	Out-of-frame
NFIB-ZDHC21	chr9	14313482 +	chr9	14662326 +	NFIB	ENST00000380921	chr9	14313482 +	ZDHC21	ENST00000380916	chr9	14662326 +	Y.CDS-CDS	0	0	1	In-frame
NFIB-HEATR5B	chr9	14313482 +	chr9	36925208 +	NFIB	ENST00000380921	chr9	14313482 +	HEATR5B	ENST00000233099	chr9	36925208 +	N.CDS-CDS	0	0	1	Out-of-frame
NFIB-STRN	chr9	14313482 +	chr2	36925208 +	NFIB	ENST00000380921	chr9	14313482 +	STRN	ENST00000263918	chr2	36925208 +	Y.CDS-CDS	0	1	1	In-frame
NFIB-STRN	chr9	14313482 +	chr2	36925208 +	NFIB	ENST00000380953	chr9	14313482 +	STRN	ENST00000263918	chr2	36925208 +	Y.CDS-CDS	0	1	1	In-frame
NFIC-SPATA33	chr19	3359895 +	chr16	89669286 +	NFIC	ENST00000589199	chr19	3359895 +	SPATA33	ENST00000301031	chr16	89669286 +	N.CDS-CDS.1X	0	1	1	Out-of-frame
NFIC-SPATA33	chr19	3359895 +	chr16	89669286 +	NFIC	ENST00000589199	chr19	3359895 +	SPATA33	ENST00000301031	chr16	89669286 +	N.CDS-CDS.1X	0	1	1	Out-of-frame
NFIC-SPATA33	chr19	3359895 +	chr16	89669286 +	NFIC	ENST00000589123	chr19	3359895 +	SPATA33	ENST00000301031	chr16	89669286 +	N.CDS-CDS.1X	0	1		

NLGN1-SEMA5B	chr3	173807832	chr3	122913424	SEMA5B	ENST00000195173	chr3	122913424	N-CDS-CDS-6X	0	0	1	chr2	Out-of-frame	
NLGN1-CDC50	chr3	173807832	chr3	191357088	CDC50	ENST00000392455	chr3	191357088	Y-CDS-CDS	0	0	1	1	chr1	In-frame
NLGN1-CDC50	chr3	173807832	chr3	191357088	CDC50	ENST00000392455	chr3	191357088	N-ND-CDS-46X	0	0	1	1	chr1	In-frame
NLGN4X-DM2	chrX	602280	chrX	31774192	DM2	ENST00000357033	chrX	31774192	Y-CDS-CDS	0	0	0	0	0	0
NLGN4Y-SHISA6	chrY	14723269	chrY	11555740	SHISA6	ENST00000409168	chrY	11555740	Y-CDS-CDS	0	0	1	1	chr1	In-frame
NLK-NF1	chr17	28043331	chr17	31360487	NF1	ENST00000356175	chr17	31360487	N-CDS-CDS	0	0	0	0	0	0
NLK-SMURF2	chr17	28043331	chr17	64546338	SMURF2	ENST00000262435	chr17	64546338	N-CDS-CDS-1X	0	0	0	1	chr3	Out-of-frame
NLK-LGALS9	chr17	28043331	chr17	27640572	LGALS9	ENST00000302228	chr17	27640572	Y-CDS-CDS	0	0	1	0	0	0
NLK-ELMO1	chr17	28122732	chr17	37133234	ELMO1	ENST00000310758	chr17	37133234	Y-CDS-CDS	0	0	1	1	chr3	In-frame
NLK-DOK5	chr17	28186857	chr17	54554933	DOK5	ENST00000262953	chr17	54554933	Y-CDS-CDS	0	0	1	1	chr1	In-frame
NLK-BCAS3	chr17	28186857	chr17	60989971	BCAS3	ENST00000390652	chr17	60989971	Y-CDS-CDS	0	0	1	0	0	0
NLK-KALRN	chr17	28185265	chr17	124562843	KALRN	ENST00000354186	chr17	124562843	Y-CDS-CDS	0	0	0	1	chr1	In-frame
NLK-KSR1	chr17	28185265	chr17	27577492	KSR1	ENST00000268763	chr17	27577492	Y-CDS-CDS	0	0	1	1	chr2	CDS-5UTR
NLN-MAST4	chr5	65792001	chr5	66759709	MAST4	ENST00000403625	chr5	66759709	Y-CDS-CDS	0	0	1	0	0	0
NLRC5-CYB5B	chr16	57011788	chr16	69459093	CYB5B	ENST00000307892	chr16	69459093	N-5UTR-CDS-2X	0	0	0	1	chr1	5UTR-CDS
NLRC5-NUP93	chr16	57022315	chr16	56844499	NUP93	ENST00000356887	chr16	56844499	N-CDS-CDS-1X	0	0	1	1	chr1	Out-of-frame
NLRC5-FIT0	chr16	57046814	chr16	54111762	FIT0	ENST00000268349	chr16	54111762	N-CDS-CDS-47X	0	0	1	1	chr1	In-frame
NMD3-USP40	chr3	161235212	chr2	233498612	USP40	ENST00000251722	chr2	233498612	Y-CDS-CDS	0	0	1	2	chr2	In-frame
NME2-ACBD4	chr17	51166956	chr17	45139021	ACBD4	ENST00000431281	chr17	45139021	Y-CDS-CDS	0	0	1	0	0	0
NME4-NCL	chr16	400281	chr2	231456684	NCL	ENST00000322723	chr2	231456684	N-CDS-CDS-1X	0	0	0	0	0	0
NME4-NCL	chr16	400281	chr2	231456684	NCL	ENST00000322723	chr2	231456684	N-CDS-CDS-1X	0	0	0	0	0	0
NME6-SPINK8	chr3	48329672	chr3	48309946	SPINK8	ENST00000434006	chr3	48309946	N-CDS-CDS-1X	0	0	0	1	chr1	Out-of-frame
NME6-AYSD5	chr3	48329672	chr3	52529334	RTSD2	ENST00000307078	chr3	52529334	N-5UTR-CDS	0	0	0	1	chr2	5UTR-CDS
NME7-KMO	chr1	169230718	chr1	241586679	KMO	ENST00000366558	chr1	241586679	Y-CDS-CDS	0	0	1	1	chr3	In-frame
NME7-KMO	chr1	169230718	chr1	241586679	KMO	ENST00000366559	chr1	241586679	Y-CDS-CDS	0	0	1	1	chr3	In-frame
NME7-ASH1L	chr1	169231117	chr1	155521618	ASH1L	ENST00000368346	chr1	155521618	N-CDS-SUTR-2X	0	0	0	1	chr1	CDS-5UTR
NME7-TIPRL	chr1	169231117	chr1	168183902	TIPRL	ENST00000367830	chr1	168183902	Y-CDS-CDS	0	0	1	0	0	0
NME7-MKLN1	chr1	169367708	chr1	131375424	MKLN1	ENST00000352689	chr1	131375424	N-CDS-CDS	0	0	0	1	chr1	Out-of-frame
NM1-SC3A4	chr2	151281948	chr2	102508847	SC3A4	ENST00000292529	chr2	102508847	Y-CDS-CDS	0	0	0	1	chr1	In-frame
NM1-ITAF6	chr1	161717824	chr1	183418183	ITAF6	ENST00000378150	chr1	161717824	Y-CDS-CDS	0	0	0	1	chr1	In-frame
NMNA3-PLA1A	chr3	139627616	chr3	119618019	PLA1A	ENST00000296202	chr3	119618019	Y-CDS-CDS	0	0	0	1	chr1	In-frame
NMNA3-CDC50	chr3	139627616	chr3	191357088	CDC50	ENST00000392455	chr3	191357088	Y-CDS-CDS	0	0	0	1	chr1	In-frame
NMRA1-PRKCB	chr16	44661561	chr16	242199615	PRKCB	ENST00000312728	chr16	242199615	N-CDS-CDS-8X	0	0	0	0	0	0
NMT1-NME1-NME2	chr17	45061460	chr17	51155651	NME1-NME2	ENST00000376392	chr17	51155651	Y-CDS-SUTR	0	0	0	1	chr1	CDS-5UTR
NMT1-HIGD1B	chr17	45061460	chr17	44849254	HIGD1B	ENST00000253410	chr17	44849254	N-CDS-CDS	0	0	0	1	chr2	Out-of-frame
NMT1-NJA1C11	chr17	45061460	chr17	28122603	NJA1C11	ENST00000470089	chr17	28122603	Y-CDS-CDS	0	0	0	1	chr1	In-frame
NMT2-ITGAB	chr10	15128350	chr10	15597299	ITGAB	ENST00000378076	chr10	15597299	Y-CDS-CDS	0	0	0	1	0	0
NMUR1-PDE6D	chr2	231530359	chr2	231739202	PDE6D	ENST00000428104	chr2	231739202	N-CDS-SUTR	0	0	0	1	chr4	NA
NNT-PRLR	chr5	35072744	chr5	35072744	PRLR	ENST00000231423	chr5	35072744	Y-CDS-CDS	0	0	0	1	chr3	In-frame
NOC2L-CCNL2	chr1	13905653	chr1	13905653	CCNL2	ENST00000408099	chr1	13905653	Y-CDS-CDS	0	0	0	1	0	0
NOC2L-CCNL2	chr1	13905653	chr1	13905653	CCNL2	ENST00000408952	chr1	13905653	Y-CDS-CDS	0	0	0	1	0	0
NOC4-SDS	chr12	113399710	chr12	113399710	SDS	ENST00000257549	chr12	113399710	Y-CDS-SUTR	0	0	0	1	chr1	CDS-5UTR
NOC4-SDS	chr12	113399710	chr12	103748983	SDS	ENST00000257549	chr12	103748983	Y-CDS-CDS	0	0	0	1	chr1	In-frame
NOL10-HDAC1	chr2	10654481	chr2	32316655	HDAC1	ENST00000373548	chr2	32316655	N-CDS-CDS-15X	0	0	0	0	0	0
NOL10-ROCK2	chr2	10684567	chr2	11183440	ROCK2	ENST00000315872	chr2	11183440	N-CDS-CDS-1X	0	0	0	1	chr3	In-frame
NOL11-CARD11	chr17	67737145	chr17	2939928	CARD11	ENST00000396946	chr17	2939928	Y-CDS-CDS	0	0	0	1	chr1	In-frame
NOL8-FXN	chr9	69046385	chr9	69046385	FXN	ENST00000377270	chr9	69046385	Y-CDS-CDS	0	0	0	1	chr1	In-frame
NOL8-ESPN	chr1	6547184	chr1	6547184	ESPN	ENST00000377828	chr1	6547184	N-CDS-CDS-14X	0	0	0	1	chr1	Out-of-frame
NOL8-DNAI11	chr1	6554107	chr1	6554107	DNAI11	ENST00000294041	chr1	6554107	Y-CDS-CDS	0	0	0	1	chr1	In-frame
NOL8-DNAI11	chr1	6554107	chr1	6554107	DNAI11	ENST00000294041	chr1	6554107	Y-CDS-CDS	0	0	0	1	chr1	In-frame
NOLC1-HTR7	chr10	102152530	chr10	90749594	HTR7	ENST00000277874	chr10	90749594	N-CDS-CDS	0	0	0	1	chr2	Out-of-frame
NOLC1-ZDHHC2	chr10	102152763	chr10	77139304	ZDHHC2	ENST00000319374	chr10	77139304	Y-CDS-CDS	0	0	0	1	0	0
NOLC1-ZDHHC2	chr10	102152763	chr10	77139304	ZDHHC2	ENST00000319374	chr10	77139304	Y-CDS-CDS	0	0	0	1	0	0
NOLC1-YD	chr10	102160790	chr10	102160790	YD	ENST00000229447	chr10	102160790	N-CDS-CDS	0	0	0	1	0	0
NOM1-UVRAG	chr7	156950724	chr7	156950724	UVRAG	ENST00000396136	chr7	156950724	N-CDS-CDS-3X	0	0	0	1	chr1	Out-of-frame
NOM1-UVRAG	chr7	156950724	chr7	156950724	UVRAG	ENST00000396136	chr7	156950724	Y-CDS-CDS	0	0	0	1	chr1	In-frame
NOM1-RNF32	chr7	15695298	chr7	15695298	RNF32	ENST00000317955	chr7	15695298	Y-CDS-CDS	0	0	0	1	chr1	In-frame
NOM1-MYH11	chr16	15823411	chr16	15823411	MYH11	ENST00000300036	chr16	15823411	Y-CDS-CDS	0	0	0	1	0	0
NOM2-FBR5	chr16	18561876	chr16	30662420	FBR5	ENST00000356166	chr16	30662420	Y-CDS-CDS	0	0	0	1	0	0
NOM3-TFAP4	chr16	16256158	chr16	16256158	TFAP4	ENST00000204517	chr16	16256158	Y-CDS-CDS	0	0	0	1	0	0
NOM3-ABC1	chr16	16270828	chr16	16270828	ABC1	ENST00000399048	chr16	16270828	Y-CDS-SUTR	0	0	0	1	0	0
NOP1-LYAR	chr4	2949934	chr4	2949934	LYAR	ENST00000343470	chr4	2949934	Y-CDS-SUTR-2X	0	0	0	1	chr1	CDS-5UTR
NOP5-UBC2	chr2	202448092	chr2	202448092	UBC2	ENST00000374574	chr2	202448092	Y-CDS-CDS	0	0	0	1	chr1	In-frame
NOS1-UBC	chr12	124914762	chr12	124914762	UBC	ENST00000398467	chr12	124914762	N-CDS-SUTR-12X	0	0	0	1	chr1	CDS-5UTR
NOS1AP-FBX1	chr1	162670282	chr1	162670282	FBX1	ENST00000340699	chr1	162670282	N-CDS-CDS	0	0	0	1	chr1	Out-of-frame
NOS1AP-ATF6	chr1	162670282	chr1	162670282	ATF6	ENST00000367942	chr1	162670282	N-CDS-CDS	0	0	0	2	chr1	Out-of-frame
NOS1AP-LRRC52	chr1	162154476	chr1	162154476	LRRC52	ENST00000294818	chr1	162154476	N-CDS-CDS	0	0	0	1	chr1	Out-of-frame
NOS1AP-DCAF6	chr1	162154476	chr1	162154476	DCAF6	ENST00000312263	chr1	162154476	N-CDS-SUTR	0	0	0	1	chr1	Out-of-frame
NOS1AP-HIF1	chr1	162154476	chr1	162154476	HIF1	ENST00000358929	chr1	162154476	N-CDS-CDS	0	0	0	1	chr1	In-frame
NOS1AP-COLGALT2	chr1	162154476	chr1	162154476	COLGALT2	ENST00000361927	chr1	162154476	Y-CDS-CDS	0	0	0	1	chr1	Out-of-frame
NOS1AP-ATF6	chr1	162154476	chr1	162154476	ATF6	ENST00000367942	chr1	162154476	Y-CDS-CDS	0	0	0	1	chr1	In-frame
NOS1AP-MROH9	chr1	171014117	chr1	171014117	MROH9	ENST00000367759	chr1	171014117	Y-CDS-CDS	0	0	0	1	chr1	In-frame
NOS1AP-MROH9	chr1	171014117	chr1	171014117	MROH9	ENST00000367759	chr1	171014117	Y-CDS-CDS	0	0	0	1	chr1	In-frame
NOS1AP-F5	chr1	169515626	chr1	169515626	F5	ENST00000367976	chr1	169515626	N-CDS-CDS-9X	0	0	0	1	chr4	Out-of-frame
NOS2-MYO18A	chr17	29122253	chr17	29122253	MYO18A	ENST00000527372	chr17	29122253	N-CDS-CDS	0	0	0	1	chr1	Out-of-frame
NOS9-UBC2	chr19	48537033	chr19	48537033	UBC2	ENST00000358929	chr19	48537033	N-CDS-CDS-2X	0	0	0	1	chr1	In-frame
NOTCH1-HNF1B	chr9	136503182	chr9	136503182	HNF1B	ENST00000137277	chr9	136503182	Y-CDS-CDS	0	0	0	1	chr1	In-frame
NOTCH1-SDCCAG3	chr9	136507955	chr9	136507955	SDCCAG3	ENST00000298537	chr9	136507955	Y-CDS-CDS	0	0	0	1	0	0
NOTCH1-MAKP1	chr9	136511152	chr9	136511152	MAKP1	ENST00000215832	chr9	136511152	N-CDS-CDS-7X	0	0	0	1	chr1	Out-of-frame
NOTCH1-TMEM117	chr9	136513021	chr9	136513021	TMEM117	ENST00000266534	chr9	136513021	Y-CDS-CDS	0	0	0	1	0	0
NOTCH1-UHRF1BP1	chr9	136514510	chr9	136514510	UHRF1BP										

NUP155-TRIO	chr5	37314198	chr5	14531744	ENST00000513206	chr5	14531744	TRIO	0	0	1	1er1	Out-of-frame	
NUP155-ANKH	chr5	37370821	chr5	14741922	ANKH	ENST00000284268	chr5	14741922	ANKH	0	0	1	0	Out-of-frame
NUP155-VEZ6	chr14	37570625	chr14	57710658	VEZ6	ENST00000347230	chr14	57710658	VEZ6	0	0	1	1er1	Out-of-frame
NUP160-RBMB	chr9	47847848	chr9	50077008	RBMB	ENST00000266022	chr9	50077008	RBMB	0	0	1	1er1	Out-of-frame
NUP188-PHYHD1	chr9	128946448	chr9	128946448	PHYHD1	ENST00000308941	chr9	128946448	PHYHD1	0	0	1	1er1	Out-of-frame
NUP188-PHYHD1	chr9	128949243	chr9	128941445	PHYHD1	ENST00000308941	chr9	128941445	PHYHD1	0	0	1	1er1	Out-of-frame
NUP188-TBC1D13	chr9	128959134	chr9	128803250	TBC1D13	ENST00000327648	chr9	128803250	TBC1D13	0	0	1	1er1	In-frame
NUP188-ASTN2	chr9	128973249	chr9	128973249	ASTN2	ENST00000288520	chr9	128973249	ASTN2	0	0	1	0	Out-of-frame
NUP188-SPTAN1	chr9	128990226	chr9	128613381	SPTAN1	ENST00000358161	chr9	128613381	SPTAN1	0	0	1	1er1	In-frame
NUP188-TMB6C	chr9	129003368	chr9	133514785	TMB6C	ENST00000339998	chr9	133514785	TMB6C	0	0	1	1er1	In-frame
NUP188-POLR2A	chr9	129005689	chr17	7503703	POLR2A	ENST00000574158	chr17	7503703	POLR2A	0	2	0	0	Out-of-frame
NUP205-SERPINA12	chr7	135597418	chr14	9448430	SERPINA12	ENST00000566881	chr14	9448430	SERPINA12	0	0	1	1er1	CDS-SUTR
NUP205-WDR91	chr7	135604460	chr7	135198151	WDR91	ENST00000354475	chr7	135198151	WDR91	0	0	1	1er1	In-frame
NUP205-GIMAP8	chr7	135607371	chr7	150474012	GIMAP8	ENST00000307271	chr7	150474012	GIMAP8	0	0	1	1er1	Out-of-frame
NUP205-CDC136	chr7	135625355	chr7	128801186	CDC136	ENST00000297788	chr7	128801186	CDC136	0	0	1	1er1	Out-of-frame
NUP205-DVL2	chr7	135649231	chr17	7230155	DVL2	ENST00000053548	chr17	7230155	DVL2	0	0	1	1er1	Out-of-frame
NUP210-FBLN2	chr3	133518762	chr3	133518762	FBLN2	ENST00000256760	chr3	133518762	FBLN2	0	0	1	1er1	Out-of-frame
NUP210-MAST1	chr3	13374756	chr19	12851934	MAST1	ENST00000251472	chr19	12851934	MAST1	0	0	1	1er1	In-frame
NUP210L-TPM3	chr1	154012244	chr1	154159048	TPM3	ENST00000323144	chr1	154159048	TPM3	0	0	1	1er1	In-frame
NUP214-AIF1	chr9	131130836	chr9	131115957	AIF1	ENST00000247291	chr9	131115957	AIF1	0	0	1	1er1	In-frame
NUP214-CACNA1B	chr9	131164144	chr9	131164144	CACNA1B	ENST00000275459	chr9	131164144	CACNA1B	0	0	1	0	Out-of-frame
NUP214-TOML2	chr9	131197416	chr17	17907531	TOML2	ENST00000542206	chr17	17907531	TOML2	0	0	1	0	Out-of-frame
NUP214-TOML2	chr9	131197416	chr17	17907531	TOML2	ENST00000542206	chr17	17907531	TOML2	0	0	1	0	Out-of-frame
NUP214-TOML2	chr9	131197416	chr17	17907531	TOML2	ENST00000318094	chr17	17907531	TOML2	0	0	1	0	Out-of-frame
NUP35-NCKAP1	chr2	183124497	chr2	182899186	NCKAP1	ENST00000360982	chr2	182899186	NCKAP1	0	0	1	1er2	In-frame
NUP37-ACSS3	chr12	102099106	chr12	81109560	ACSS3	ENST00000261206	chr12	81109560	ACSS3	0	0	1	1er1	In-frame
NUP43-SHRP8	chr6	149738643	chr6	145894977	SHRP8	ENST00000275233	chr6	145894977	SHRP8	0	0	1	1er3	Out-of-frame
NUP43-VSTM2B	chr19	49929350	chr19	29563846	VSTM2B	ENST00000355233	chr19	29563846	VSTM2B	0	0	1	1er1	SUTR-CDS
NUP43-NR5A2	chr17	75205794	chr17	75205794	NR5A2	ENST00000236914	chr17	75205794	NR5A2	0	0	1	1er3	In-frame
NUP43-NR5A2	chr17	75205794	chr17	75205794	NR5A2	ENST00000236914	chr17	75205794	NR5A2	0	0	1	1er3	In-frame
NUP43-KCTD2	chr17	752049220	chr17	752049220	KCTD2	ENST00000322444	chr17	752049220	KCTD2	0	0	1	1er1	In-frame
NUP43-IL34	chr17	75226157	chr16	70465458	IL34	ENST00000429149	chr16	70465458	IL34	0	0	1	1er2	CDS-SUTR
NUP43-ZDHHC18	chr17	75233158	chr17	75233158	ZDHHC18	ENST00000374142	chr17	75233158	ZDHHC18	0	0	1	1er1	In-frame
NUP43-NLRP1	chr17	75233158	chr17	5369640	NLRP1	ENST00000262467	chr17	5369640	NLRP1	0	0	1	1er3	In-frame
NUP43-THADA	chr16	56758855	chr16	56758855	THADA	ENST00000398653	chr16	56758855	THADA	0	0	1	1er1	Out-of-frame
NUP43-THADA	chr16	56758855	chr16	56758855	THADA	ENST00000398653	chr16	56758855	THADA	0	0	1	1er1	Out-of-frame
NUP43-DNHD1	chr11	6562982	chr11	6562982	DNHD1	ENST00000254579	chr11	6562982	DNHD1	0	0	1	1er1	Out-of-frame
NUP43-NSD1	chr11	6562982	chr11	6562982	NSD1	ENST00000347982	chr11	6562982	NSD1	0	0	1	1er1	In-frame
NUP43-TMEM117	chr11	3753316	chr12	44376959	TMEM117	ENST00000266534	chr12	44376959	TMEM117	0	0	1	1er1	Out-of-frame
NUP43-MLXIP	chr11	3768581	chr12	122127256	MLXIP	ENST00000319080	chr12	122127256	MLXIP	0	0	1	1er1	Out-of-frame
NUP43-RHOH	chr11	3775882	chr11	3775882	RHOH	ENST00000351018	chr11	3775882	RHOH	0	0	1	1er1	CDS-SUTR
NUP43-DFNA5	chr7	23182206	chr7	23182206	DFNA5	ENST00000342947	chr7	23182206	DFNA5	0	0	1	1er1	Out-of-frame
NUP43-MLXIP	chr16	67827248	chr16	67827248	MLXIP	ENST00000342947	chr16	67827248	MLXIP	0	0	1	1er1	SUTR-CDS
NVL-NEK2	chr1	224250212	chr1	21674513	NEK2	ENST00000366999	chr1	21674513	NEK2	0	0	1	0	Out-of-frame
NVL-ZPBP2	chr1	224268034	chr1	39870694	ZPBP2	ENST00000348931	chr1	39870694	ZPBP2	0	0	1	0	Out-of-frame
NVL-LARS2	chr1	224305034	chr3	45541829	LARS2	ENST00000265537	chr3	45541829	LARS2	0	0	1	1er2	In-frame
NVL-LARS2	chr1	224305034	chr3	45541829	LARS2	ENST00000265537	chr3	45541829	LARS2	0	0	1	1er2	In-frame
NVL-WDR26	chr1	224318000	chr1	224389860	WDR26	ENST00000414423	chr1	224389860	WDR26	0	0	1	1er1	Out-of-frame
NVL-SUSD4	chr1	224330071	chr1	224330071	SUSD4	ENST00000342947	chr1	224330071	SUSD4	0	0	1	1er1	Out-of-frame
NVL-C2orf72	chr2	23430071	chr2	23430071	C2orf72	ENST00000373840	chr2	23430071	C2orf72	0	0	1	1er1	Out-of-frame
NXF1-STX5	chr11	62796460	chr11	62807628	STX5	ENST00000294179	chr11	62807628	STX5	0	0	1	1er1	In-frame
NXF1-STX5	chr11	62798539	chr11	62798539	STX5	ENST00000294179	chr11	62798539	STX5	0	0	1	1er1	Out-of-frame
NXF1-WDR74	chr11	62805329	chr11	62839706	WDR74	ENST00000525239	chr11	62839706	WDR74	0	0	1	1er2	NA
NXN-ABR	chr17	979319	chr17	1058867	ABR	ENST00000291107	chr17	1058867	ABR	0	0	1	1er1	In-frame
NXN-WW0X	chr17	979319	chr16	79211608	WW0X	ENST00000539474	chr16	79211608	WW0X	0	0	1	1er1	Out-of-frame
NXN-SC43A2	chr17	979319	chr17	1013164	SC43A2	ENST00000291107	chr17	1013164	SC43A2	0	0	1	1er1	Out-of-frame
NXN-ABR	chr17	979319	chr17	1013164	ABR	ENST00000291107	chr17	1013164	ABR	0	0	1	1er1	In-frame
NXN-PRPSAP2	chr17	979319	chr17	18928811	PRPSAP2	ENST00000268835	chr17	18928811	PRPSAP2	0	0	1	1er3	In-frame
NXN-WRAP53	chr17	979319	chr17	7700741	WRAP53	ENST00000316024	chr17	7700741	WRAP53	0	0	1	1er1	In-frame
NXT1-VPS16	chr20	23351061	chr20	2859719	VPS16	ENST00000380445	chr20	2859719	VPS16	0	0	1	1er1	SUTR-CDS
NXT2-COL4A5	chrX	109541619	chrX	109541619	COL4A5	ENST00000328300	chrX	109541619	COL4A5	0	0	1	1er1	In-frame
NYPAF-KCNQ1	chr2	225409101	chr2	36905708	KCNQ1	ENST00000399881	chr2	36905708	KCNQ1	0	0	1	0	Out-of-frame
NYPAF-KCNQ1	chr2	225409101	chr2	36905708	KCNQ1	ENST00000399881	chr2	36905708	KCNQ1	0	0	1	0	Out-of-frame
OAF-APOA5	chr11	120211510	chr11	116791802	APOA5	ENST00000227665	chr11	116791802	APOA5	0	0	1	1er1	Out-of-frame
OAF-APOA5	chr11	120211510	chr11	116791802	APOA5	ENST00000227665	chr11	116791802	APOA5	0	0	1	1er1	Out-of-frame
OAF-ZNF259	chr11	120211510	chr11	116787643	ZNF259	ENST00000227322	chr11	116787643	ZNF259	0	0	1	1er1	In-frame
OAF-SLC26A11	chr11	120226996	chr11	80241771	SLC26A11	ENST00000361193	chr11	80241771	SLC26A11	0	0	1	1er3	In-frame
OAS1-RPH3A	chr12	112911235	chr12	112911235	RPH3A	ENST00000389385	chr12	112911235	RPH3A	0	0	1	1er1	Out-of-frame
OAS3-RPH3A	chr12	112986797	chr12	112986797	RPH3A	ENST00000389385	chr12	112986797	RPH3A	0	0	1	1er1	Out-of-frame
OAS2-RPH3A	chr12	112986797	chr12	112986797	RPH3A	ENST00000389385	chr12	112986797	RPH3A	0	0	1	1er1	Out-of-frame
OASL-NULP2	chr12	121038774	chr12	23199458	NULP2	ENST00000258742	chr12	23199458	NULP2	0	0	1	1er3	SUTR-SUTR
OAZ1-YBX2	chr19	7292059	chr19	2269744	YBX2	ENST00000076699	chr19	2269744	YBX2	0	0	1	1er1	In-frame
OAZ2-RBPM25	chr15	64691434	chr15	64691434	RBPM25	ENST00000300069	chr15	64691434	RBPM25	0	0	1	1er1	NA
OBFC1-COL17A1	chr10	104035563	chr10	104035563	COL17A1	ENST00000369733	chr10	104035563	COL17A1	0	0	1	1er1	In-frame
OBFC1-COL17A1	chr10	104035563	chr10	104035563	COL17A1	ENST00000369733	chr10	104035563	COL17A1	0	0	1	1er1	In-frame
OBFC1-TM6SF3	chr10	103917462	chr10	96576829	TM6SF3	ENST00000371142	chr10	96576829	TM6SF3	0	0	1	1er3	Out-of-frame
OBSCN-CASZ1	chr1	228242734	chr1	10665571	CASZ1	ENST00000344008	chr1	10665571	CASZ1	0	0	1	1er1	In-frame
OBSCN-DISC1	chr1	228245688	chr1	231693826	DISC1	ENST00000539444	chr1	231693826	DISC1	0	0	1	0	Out-of-frame
OBSCN-DISC1	chr1	228246803	chr1	231693826	DISC1	ENST00000539444	chr1	231693826	DISC1	0	0	1	1er1	In-frame
OBSCN-KCNK2	chr1	228337383	chr1	215194953	KCNK2	ENST00000391894	chr1	215194953	KCNK2	0	0	1	1er1	Out-of-frame
OCA2-HERC2	chr15	28125193	chr15	28125193	HERC2	ENST00000261609	chr15	28125193	HERC2	0	0	1	1er1	Out-of-frame
OCA2-HERC2	chr15	28125193	chr15	28125193	HERC2	ENST00000261609	chr15	28125193	HERC2	0	0	1	1er1	Out-of-frame
OCA2-HERC2	chr15	28125193	chr15	28125193	HERC2	ENST00000261609	chr15	28125193	HERC2	0	0	1	1er1	Out-of-frame
OCA2-HERC2	chr15	28125193	chr15	28125193	HERC2	ENST00000261609	chr15	28125193	HERC2	0	0	1	1er1	Out-of-frame
OCA2-HERC2	chr15	28												

OSBPL8-NTS	ch12	76450851	ch12	85876640	OSBPL8	ENST00000261183	ch12	76450851	NTS	ENST00000256010	ch12	85876640	YCD5-CDS	0	1	1	1	In-frame
OSBPL8-NTS	ch12	76450851	ch12	85876640	OSBPL8	ENST00000261183	ch12	76450851	NTS	ENST00000551529	ch12	85876640	YCD5-CDS	0	1	1	1	In-frame
OSBPL8-PTPRQ	ch12	76450851	ch12	80605059	OSBPL8	ENST00000261183	ch12	76450851	PTPRQ	ENST00000327337	ch12	80605059	YCD5-CDS	0	1	1	1	In-frame
OSBPL8-ACCS3	ch12	76450851	ch12	81109560	OSBPL8	ENST00000261183	ch12	76450851	ACCS3	ENST00000261206	ch12	81109560	N.CDS-CDS	0	1	1	2	Out-of-frame
OSBPL8-NTS	ch12	76450851	ch12	85876640	OSBPL8	ENST00000393249	ch12	76450851	NTS	ENST00000256010	ch12	85876640	YCD5-CDS	0	1	1	1	In-frame
OSBPL8-NTS	ch12	76450851	ch12	85876640	OSBPL8	ENST00000393249	ch12	76450851	NTS	ENST00000551529	ch12	85876640	YCD5-CDS	0	1	1	1	In-frame
OSBPL8-PTPRQ	ch12	76450851	ch12	80605059	OSBPL8	ENST00000393249	ch12	76450851	PTPRQ	ENST00000614701	ch12	80605059	YCD5-CDS	0	1	1	1	In-frame
OSBPL8-PTPRQ	ch12	76559397	ch12	70764778	OSBPL8	ENST00000261183	ch12	76559397	PTPRR	ENST00000283228	ch12	70764778	N.SUTR-CDS	0	1	1	1	In-frame
OSBPL8-ZDHHC17	ch12	76559397	ch12	76805317	OSBPL8	ENST00000261183	ch12	76559397	ZDHHC17	ENST00000426126	ch12	76805317	N.SUTR-CDS	0	0	1	1	Out-of-frame
OSBPL8-FAM186A	ch12	76559397	ch12	50334103	OSBPL8	ENST00000261183	ch12	76559397	FAM186A	ENST00000327337	ch12	50334103	N.SUTR-CDS	0	0	1	1	In-frame
OSBPL8-RAB3P	ch12	76559397	ch12	69784720	OSBPL8	ENST00000261183	ch12	76559397	RAB3P	ENST00000247833	ch12	69784720	N.SUTR-CDS	0	0	1	1	In-frame
OSBPL8-SYT1	ch12	76559397	ch12	78977799	OSBPL8	ENST00000261183	ch12	76559397	SYT1	ENST00000621205	ch12	78977799	N.SUTR-SUTR-4X	0	0	1	1	In-frame
OSBPL9-FKBP5	chr1	51617221	chr5	35642843	OSBPL9	ENST00000371714	chr1	51617221	FKBP5	ENST00000357266	chr5	35642843	N.CDS-SUTR-1X	0	0	1	1	In-frame
OSBPL9-SERINC5	chr1	51617221	chr5	80158962	OSBPL9	ENST00000371714	chr1	51617221	SERINC5	ENST00000502747	chr5	80158962	N.CDS-SUTR-1X	0	0	1	1	In-frame
OSBPL9-AGBL4	chr1	51652041	chr1	48590985	OSBPL9	ENST00000428468	chr1	51652041	AGBL4	ENST00000371839	chr1	48590985	YCD5-CDS	0	1	1	1	In-frame
OSBPL9-AGBL4	chr1	51652041	chr1	48590985	OSBPL9	ENST00000371714	chr1	51652041	AGBL4	ENST00000371839	chr1	48590985	YCD5-CDS	0	1	1	1	In-frame
OSBPL9-C1orf87	chr1	51652041	chr1	60010456	OSBPL9	ENST00000371714	chr1	51652041	C1orf87	ENST00000371201	chr1	60010456	N.CDS-CDS-2X	0	0	1	1	Out-of-frame
OSBPL9-CYP4Z1	chr1	51750195	chr1	47067575	OSBPL9	ENST00000486942	chr1	51750195	CYP4Z1	ENST00000334194	chr1	47067575	YCD5-CDS	0	1	0	0	-
OSBPL9-CYP4Z1	chr1	51750195	chr1	47067575	OSBPL9	ENST00000361556	chr1	51750195	CYP4Z1	ENST00000334194	chr1	47067575	YCD5-CDS	0	1	0	0	-
OSCP1-WDTC1	chr1	36422150	chr1	27287674	OSCP1	ENST00000235532	chr1	36422150	WDTC1	ENST00000319394	chr1	27287674	YCD5-CDS	0	1	1	3	In-frame
OSCP1-NF1	chr1	36450258	chr17	31374013	OSCP1	ENST00000235532	chr1	36450258	NF1	ENST00000396175	chr17	31374013	YCD5-CDS	0	1	1	2	In-frame
OSCP1-NF1	chr1	36450258	chr17	31374013	OSCP1	ENST00000356637	chr1	36450258	NF1	ENST00000556175	chr17	31374013	YCD5-CDS	0	1	1	2	In-frame
OSGIN2-RIPK2	chr8	89909721	chr8	89789321	OSGIN2	ENST00000297438	chr8	89909721	RIPK2	ENST00000220751	chr8	89789321	YCD5-CDS	0	1	0	0	-
OSGIN2-RIPK2	chr8	89909721	chr8	89789321	OSGIN2	ENST00000451899	chr8	89909721	RIPK2	ENST00000220751	chr8	89789321	YCD5-CDS	0	1	0	0	-
OSGIN2-RIPK2	chr8	89914746	chr8	89786593	OSGIN2	ENST00000297438	chr8	89914746	RIPK2	ENST00000220751	chr8	89786593	YCD5-CDS	0	1	1	1	In-frame
OSGIN2-RIPK2	chr8	89914746	chr8	89786593	OSGIN2	ENST00000297438	chr8	89914746	RIPK2	ENST00000220751	chr8	89786593	N.CDS-CDS-5X	0	0	1	1	Out-of-frame
OSGIN2-DEC1R1	chr8	89914746	chr8	90017124	OSGIN2	ENST00000297438	chr8	89914746	DEC1R1	ENST00000220764	chr8	90017124	YCD5-CDS	0	1	0	0	-
OSMR-DNM3	chr5	38869117	chr5	38869117	OSMR	ENST00000274276	chr5	38869117	DNM3	ENST00000555305	chr5	38869117	N.CDS-CDS	0	1	0	0	-
OSMR-NKAP5	chr5	38869117	chr5	38869117	OSMR	ENST00000502536	chr5	38869117	NKAP5	ENST00000317721	chr5	38869117	N.CDS-CDS-10X	0	1	1	1	Out-of-frame
OSTF1-SMARCA4	chr9	75088726	chr9	11030730	OSTF1	ENST00000346234	chr9	75088726	SMARCA4	ENST00000344626	chr9	11030730	YCD5-CDS	0	1	1	1	In-frame
OSTM1-SNX3	chr6	108273045	chr6	108273045	OSTM1	ENST00000193322	chr6	108273045	SNX3	ENST00000230085	chr6	108273045	YCD5-CDS	0	1	1	1	In-frame
OTGL-HMGA2	ch12	80305695	ch12	65828001	OTGL	ENST00000458043	ch12	80305695	HMGA2	ENST00000403681	ch12	65828001	YCD5-CDS	0	1	0	0	-
OTGL-HMGA2	ch12	80305695	ch12	65828001	OTGL	ENST00000458043	ch12	80305695	HMGA2	ENST00000411963	ch12	65828001	YCD5-CDS	0	1	0	0	-
OTGL-HMGA2	ch12	80305695	ch12	65828001	OTGL	ENST00000458043	ch12	80305695	HMGA2	ENST00000393577	ch12	65828001	YCD5-CDS	0	1	0	0	-
OTGL-HMGA2	ch12	80305695	ch12	65828001	OTGL	ENST00000458043	ch12	80305695	HMGA2	ENST00000354636	ch12	65828001	YCD5-CDS	0	1	0	0	-
OTGL-HMGA2	ch12	80305695	ch12	65828001	OTGL	ENST00000458043	ch12	80305695	HMGA2	ENST00000393578	ch12	65828001	YCD5-CDS	0	1	0	0	-
OTGL-HMGA2	ch12	80305695	ch12	65828001	OTGL	ENST00000458043	ch12	80305695	HMGA2	ENST00000425208	ch12	65828001	YCD5-CDS	0	1	0	0	-
OTGL-HMGA2	ch12	80305695	ch12	65828001	OTGL	ENST00000458043	ch12	80305695	HMGA2	ENST00000536545	ch12	65828001	YCD5-CDS	0	1	0	0	-
OTUB1-DL2	ch11	63986514	ch11	63986514	OTUB1	ENST00000301453	ch11	63986514	DL2	ENST00000376104	ch11	63986514	N.SUTR-CDS-3X	0	0	1	1	Out-of-frame
OTUB1-DL2	ch11	63986514	ch11	63986514	OTUB1	ENST00000301453	ch11	63986514	DL2	ENST00000376104	ch11	63986514	N.SUTR-CDS-4X	0	0	1	1	In-frame
OTUB1-RPS6K4	ch11	63988752	ch11	63988752	OTUB1	ENST00000422031	ch11	63988752	RPS6K4	ENST00000334205	ch11	63988752	YCD5-CDS	0	1	0	0	-
OTUB1-RPS6K4	ch11	63988752	ch11	63988752	OTUB1	ENST00000422031	ch11	63988752	RPS6K4	ENST00000334205	ch11	63988752	YCD5-CDS	0	1	0	0	-
OTUB1-RPS6K4	ch11	63988752	ch11	63988752	OTUB1	ENST00000422031	ch11	63988752	RPS6K4	ENST00000334205	ch11	63988752	YCD5-CDS	0	1	0	0	-
OTUB1-RPS6K4	ch11	63988752	ch11	63988752	OTUB1	ENST00000422031	ch11	63988752	RPS6K4	ENST00000334205	ch11	63988752	YCD5-CDS	0	1	0	0	-
OTUB1-RPS6K4	ch11	63988752	ch11	63988752	OTUB1	ENST00000422031	ch11	63988752	RPS6K4	ENST00000334205	ch11	63988752	YCD5-CDS	0	1	0	0	-
OTUD4-CHCHD2	chr4	14515903	chr4	56104475	OTUD4	ENST00000447906	chr4	14515903	CHCHD2	ENST00000395422	chr4	56104475	YCD5-CDS	0	1	0	0	-
OTUD5-POCKIN	chrX	48934464	chrX	48934464	OTUD5	ENST00000156084	chrX	48934464	POCKIN	ENST00000218230	chrX	48934464	YCD5-CDS	0	1	0	0	-
OTUD5-POCKIN	chrX	48934464	chrX	48934464	OTUD5	ENST00000156084	chrX	48934464	POCKIN	ENST00000218230	chrX	48934464	YCD5-CDS	0	1	0	0	-
OTUD5-RIPAP1	chrX	48956977	chrX	48956977	OTUD5	ENST00000156084	chrX	48956977	RIPAP1	ENST00000376597	chrX	48956977	YCD5-CDS	0	0	1	1	In-frame
OTUD7B-CTSS	chr1	149977426	chr1	149977426	OTUD7B	ENST00000417191	chr1	149977426	CTSS	ENST00000368885	chr1	149977426	N.CDS-CDS	0	0	1	1	Out-of-frame
OTUD7B-HIST2H2B	chr1	149977426	chr1	149977426	OTUD7B	ENST00000417191	chr1	149977426	HIST2H2B	ENST00000545683	chr1	149977426	N.CDS-CDS-2X	0	1	0	0	-
OTUD7B-HORMAD1	chr1	149977426	chr1	15071938	OTUD7B	ENST00000417191	chr1	149977426	HORMAD1	ENST00000322343	chr1	15071938	N.CDS-SUTR-2X	0	0	1	1	Out-of-frame
OTX1-EHPB1	chr2	63054198	chr2	63054198	OTX1	ENST00000282549	chr2	63054198	EHPB1	ENST00000263991	chr2	63054198	YCD5-CDS	0	0	1	1	In-frame
OVOL2-CBLN4	chr20	18041534	chr20	56000847	OVOL2	ENST00000278780	chr20	18041534	CBLN4	ENST00000064571	chr20	56000847	N.CDS-CDS-4X	0	0	1	2	Out-of-frame
OVOL2-CBLN4	chr20	18041534	chr20	56000847	OVOL2	ENST00000278780	chr20	18041534	CBLN4	ENST00000064571	chr20	56000847	N.CDS-CDS-4X	0	0	1	2	Out-of-frame
OXC11-GHR	chr5	41840451	chr5	42565864	OXC11	ENST00000196371	chr5	41840451	GHR	ENST00000200882	chr5	42565864	N.CDS-SUTR-5X	0	0	1	1	In-frame
OXC11-TMEM17	chr5	41870281	chr5	41870281	OXC11	ENST00000196371	chr5	41870281	TMEM17	ENST00000335390	chr5	41870281	N.CDS-CDS	0	0	1	1	Out-of-frame
OXNAD1-LRRTM4	chr3	16286448	chr3	16286448	OXNAD1	ENST00000285083	chr3	16286448	LRRTM4	ENST00000409093	chr3	16286448	N.CDS-CDS	0	0	1	1	Out-of-frame
OXN1-VPS13B	chr8	106359636	chr8	99699525	OXN1	ENST00000517566	chr8	106359636	VPS13B	ENST00000357162	chr8	99699525	N.CDS-CDS	0	0	1	2	Out-of-frame
OXR1-CSMD3	chr8	106713985	chr8	106713985	OXR1	ENST00000312046	chr8	106713985	CSMD3	ENST00000297405	chr8	106713985	N.CDS-CDS-23X	0	0	1	1	Out-of-frame
OXR1-MET	chr8	106713985	chr8	106713985	OXR1	ENST00000312046	chr8	106713985	MET	ENST00000318493	chr8	106713985	YCD5-CDS	0	1	1	1	In-frame
OXR1-MET	chr8	106713985	chr8	106713985	OXR1	ENST00000312046	chr8	106713985	MET	ENST00000318493	chr8	106713985	YCD5-CDS	0	1	1	1	In-frame
OXSR1-ATXN7	chr3	38190839	chr3	38190839	OXSR1	ENST00000318006	chr3	38190839	ATXN7	ENST00000295900	chr3	38190839	YCD5-CDS	0	1	1	1	In-frame
OXSR1-MYD88	chr3	38190839	chr3	38140757	OXSR1	ENST00000318006	chr3	38190839	MYD88	ENST00000396334	chr3	38140757	N.CDS-CDS-4X	0	0	1	1	Out-of-frame
OXSR1-DLEC1	chr3	38190839																

PAPD7-SRD5A1	ch5	6743840 +	ch5	6743840 +	PAPD7	ENST00000230859	ch5	6743840 +	SRD5A1	ENST00000271492	ch5	6662816 +	N.CDS-CDS.8X	0	0	1	1er1	Out-of-frame	
PAPD7-RAF1	ch5	6751197 +	ch3	12598908 -	PAPD7	ENST00000230859	ch5	6751197 +	RAF1	ENST00000251849	ch3	12598908 -	Y.CDS-CDS	0	0	1	1er1	In-frame	
PAPD7-LANT5	ch5	96520000 +	ch2	157284282 +	PAPD7	ENST00000230859	ch5	96520000 +	GALNT5	ENST00000251849	ch2	157284282 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
PAPOLA-GALNT5	ch14	96502600 +	ch14	96502600 +	PAPOLA	ENST00000216277	ch14	96502600 +	GALNT5	ENST00000259056	ch2	157284282 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
PAPOLA-NPAS3	ch14	96502600 +	ch14	33676211 +	PAPOLA	ENST00000216277	ch14	96502600 +	NPAS3	ENST00000346562	ch14	33676211 +	Y.CDS-CDS	0	0	1	1er1	Out-of-frame	
PAPOLA-GALNT5	ch14	96502600 +	ch2	157284282 +	PAPOLA	ENST00000329990	ch14	96502600 +	GALNT5	ENST00000259056	ch2	157284282 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
PAPOLA-AK7	ch14	96556413 +	ch14	96437835 +	PAPOLA	ENST00000216277	ch14	96556413 +	AK7	ENST00000267584	ch14	96437835 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
PAPOLA-ABCA12	ch12	60770511 +	ch2	214956778 +	PAPOLA	ENST00000238714	ch2	60770511 +	ABCA12	ENST00000272895	ch2	214956778 +	Y.CDS-CDS	0	0	1	1er2	In-frame	
PAPP2-RFP19	ch1	176671115 +	ch19	41869031 +	PAPP2	ENST00000367661	ch1	176671115 +	RFP19	ENST00000598742	ch19	41869031 +	Y.CDS-CDS	0	0	1	0	-	
PAPP2-ASTN1	ch1	176671115 +	ch1	176894830 +	PAPP2	ENST00000367661	ch1	176671115 +	ASTN1	ENST00000361833	ch1	176894830 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
PAPP2-ACBD6	ch1	176771180 +	ch1	180288517 +	PAPP2	ENST00000367662	ch1	176771180 +	ACBD6	ENST00000367595	ch1	180288517 +	N.CDS-CDS.63X	0	0	1	1er1	Out-of-frame	
PAPSS2-MINPP1	ch10	87552082 +	ch10	87552082 +	PAPSS2	ENST00000361175	ch10	87552082 +	MINPP1	ENST00000371994	ch10	87552082 +	N.CDS-CDS	0	0	1	1er4	Out-of-frame	
PAPSS2-BID	ch10	87709313 +	ch22	17739488 +	PAPSS2	ENST00000361175	ch10	87709313 +	BID	ENST00000317361	ch22	17739488 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
PAPSS2-ATAD1	ch10	87715843 +	ch10	87814612 +	PAPSS2	ENST00000361175	ch10	87715843 +	ATAD1	ENST00000380448	ch10	87814612 +	N.CDS-SUTR.22X	0	0	1	1er1	CDS-5UTR	
PAPSS2-MINPP1	ch10	87727489 +	ch10	87552082 +	PAPSS2	ENST00000361175	ch10	87727489 +	MINPP1	ENST00000371994	ch10	87552082 +	N.CDS-CDS.26X	0	0	1	1er1	In-frame	
PAPSS2-SFRP5	ch10	87745231 +	ch10	97769745 +	PAPSS2	ENST00000361175	ch10	87745231 +	SFRP5	ENST00000260666	ch10	97769745 +	N.CDS-CDS.25X	0	0	1	1er1	Out-of-frame	
PAGR3-ANTXR2	ch4	79282587 +	ch4	79284863 +	PAGR3	ENST00000342823	ch4	78926521 +	ANTXR2	ENST00000403729	ch4	79284863 +	Y.CDS-CDS	0	0	1	1er1	Out-of-frame	
PARD3-NSUN6	ch10	34296567 +	ch10	18612693 +	PARD3	ENST00000346874	ch10	34296567 +	NSUN6	ENST00000373704	ch10	18612693 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
PARD3-HTRA1	ch10	34331117 +	ch10	12248902 +	PARD3	ENST00000340077	ch10	34331117 +	HTRA1	ENST00000368984	ch10	12248902 +	Y.CDS-CDS	0	0	1	0	-	
PARD3-COLO	ch10	34470085 +	ch3	15479382 +	PARD3	ENST00000340077	ch10	34470085 +	COLO	ENST00000383781	ch3	15479382 +	Y.CDS-CDS	0	0	1	1er3	In-frame	
PARD3-IL2RA	ch10	34516979 +	ch10	6026025 +	PARD3	ENST00000340077	ch10	34516979 +	IL2RA	ENST00000256876	ch10	6026025 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
PARD3-ZNF521	ch10	34516979 +	ch18	25092081 +	PARD3	ENST00000340077	ch10	34516979 +	ZNF521	ENST00000361524	ch18	25092081 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
PARD3-MTA1	ch10	34696318 +	ch14	105483493 +	PARD3	ENST00000340077	ch10	34696318 +	MTA1	ENST00000331320	ch14	105483493 +	Y.CDS-CDS	0	0	1	0	-	
PARD3-CUL2	ch10	34696318 +	ch10	35071339 +	PARD3	ENST00000340077	ch10	34696318 +	CUL2	ENST00000374746	ch10	35071339 +	N.CDS-SUTR.2X	0	0	1	1er2	CDS-5UTR	
PARD3-NRXN1	ch10	34696318 +	ch2	50091494 +	PARD3	ENST00000340077	ch10	34696318 +	NRXN1	ENST00000401669	ch2	50091494 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
PARD3-NRXN1	ch10	34696318 +	ch2	50091494 +	PARD3	ENST00000340077	ch10	34696318 +	NRXN1	ENST00000402177	ch2	50091494 +	N.CDS-ND	0	0	1	1er1	In-frame	
PARD3-CUL2	ch10	34696318 +	ch10	35016394 +	PARD3	ENST00000340077	ch10	34696318 +	CUL2	ENST00000374746	ch10	35016394 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame	
PARD3-ADAMT1S17	ch10	34696318 +	ch15	99997589 +	PARD3	ENST00000340077	ch10	34696318 +	ADAMT1S17	ENST0000028070	ch15	99997589 +	N.CDS-CDS.2X	0	0	1	1er1	Out-of-frame	
PARD3-ARMC4	ch10	34814876 +	ch18	80202932 +	PARD3	ENST00000340077	ch10	34814876 +	ARMC4	ENST00000305242	ch18	80202932 +	Y.CDS-CDS	0	0	1	0	-	
PARD3-FAM3B	ch10	34814876 +	ch6	54870187 +	PARD3	ENST00000340077	ch10	34814876 +	FAM3B	ENST00000306858	ch6	54870187 +	Y.CDS-SUTR.2X	0	0	1	1er1	CDS-5UTR	
PARD3-LYAR	ch10	34814876 +	ch4	4274769 +	PARD3	ENST00000340077	ch10	34814876 +	LYAR	ENST00000343470	ch4	4274769 +	Y.CDS-CDS	0	0	1	2	1er1	In-frame
PARD3-ARMCA	ch10	34814876 +	ch10	27907777 +	PARD3	ENST00000340077	ch10	34814876 +	ARMCA	ENST00000305242	ch10	27907777 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame	
PARD3-ARHGAP12	ch10	34814876 +	ch10	31843586 +	PARD3	ENST00000340077	ch10	34814876 +	ARHGAP12	ENST00000311380	ch10	31843586 +	Y.CDS-CDS	0	0	1	0	-	
PARD3-ARHGAP12	ch10	34814876 +	ch10	31843586 +	PARD3	ENST00000340077	ch10	34814876 +	ARHGAP12	ENST00000375250	ch10	31843586 +	Y.CDS-CDS	0	0	1	0	-	
PARD3-SLCOA1	ch2	204546119 +	ch2	189583420 +	PARD3	ENST00000349593	ch2	204546119 +	SLCOA1	ENST00000267241	ch2	189583420 +	N.CDS-SUTR	0	0	1	1er2	NA	
PARD3-MAF2	ch2	204546119 +	ch2	209507592 +	PARD3	ENST00000349593	ch2	204546119 +	MAF2	ENST00000199840	ch2	209507592 +	N.CDS-SUTR	0	0	1	1er1	CDS-SUTR	
PARD3-SLCO5A1	ch2	204546119 +	ch1	155137979 +	PARD3	ENST00000349593	ch2	204546119 +	SLCO5A1	ENST00000303343	ch1	155137979 +	Y.CDS-CDS	0	0	1	0	-	
PARD3-SLCO5A1	ch2	204546119 +	ch1	155137979 +	PARD3	ENST00000406610	ch2	204546119 +	SLCO5A1	ENST00000303343	ch1	155137979 +	Y.CDS-CDS	0	0	1	0	-	
PARD3B-TACC1	ch2	204686282 +	ch2	38819522 +	PARD3B	ENST00000349593	ch2	204686282 +	TACC1	ENST00000317827	ch2	38819522 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame	
PARD3B-CRELD2	ch2	204686282 +	ch22	49919230 +	PARD3B	ENST00000349593	ch2	204686282 +	CRELD2	ENST00000328268	ch22	49919230 +	Y.CDS-CDS	0	0	1	0	-	
PARD3B-PTHR2	ch2	204686282 +	ch2	208493264 +	PARD3B	ENST00000349593	ch2	204686282 +	PTHR2	ENST00000272847	ch2	208493264 +	Y.CDS-CDS	0	0	1	1er2	In-frame	
PARD3B-CTC1	ch2	204686282 +	ch2	214575672 +	PARD3B	ENST00000349593	ch2	214575672 +	CTC1	ENST00000262721	ch2	214575672 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
PARD3B-WWOX	ch2	205125737 +	ch16	79211608 +	PARD3B	ENST00000349593	ch2	205125737 +	WWOX	ENST00000539474	ch16	79211608 +	N.CDS-CDS.22X	0	0	1	1er1	Out-of-frame	
PARD3B-PARD3B	ch2	205615813 +	ch2	204545793 +	PARD3B	ENST00000349593	ch2	205615813 +	PARD3B	ENST00000406610	ch2	204545793 +	Y.CDS-SUTR.1X	0	2	0	0	-	
PARD3B-PTPN1	ch20	50731852 +	ch20	50561363 +	PARD3B	ENST00000371610	ch20	50731852 +	PTPN1	ENST00000371621	ch20	50561363 +	Y.CDS-CDS	0	0	1	1er2	In-frame	
PARD3B-PRPF6	ch20	50731852 +	ch20	63999045 +	PARD3B	ENST00000371610	ch20	50731852 +	PRPF6	ENST00000266079	ch20	63999045 +	Y.CDS-CDS	0	0	1	0	-	
PARD3B-PTPN1	ch20	50731852 +	ch20	50561363 +	PARD3B	ENST00000396309	ch20	50731852 +	PTPN1	ENST00000371621	ch20	50561363 +	Y.CDS-CDS	0	0	1	1er2	In-frame	
PARD3B-PRPF6	ch20	50731852 +	ch20	63999045 +	PARD3B	ENST00000396309	ch20	50731852 +	PRPF6	ENST00000266079	ch20	63999045 +	Y.CDS-CDS	0	0	1	1er2	In-frame	
PARD6G-CHST1	ch18	80242777 +	ch11	45652607 +	PARD6G	ENST00000352263	ch18	80242777 +	CHST1	ENST00000308064	ch11	45652607 +	N.CDS-SUTR	0	0	1	0	-	
PARD6G-RFTN2	ch18	80242777 +	ch18	80242777 +	PARD6G	ENST00000352263	ch18	80242777 +	RFTN2	ENST00000295049	ch18	80242777 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
PARK2-AKAP12	ch6	162727662 +	ch6	151305747 +	PARK2	ENST00000368996	ch6	162727662 +	AKAP12	ENST00000253332	ch6	151305747 +	N.CDS-CDS	0	0	1	0	-	
PARK2-LANCL1	ch6	162727662 +	ch2	210472076 +	PARK2	ENST00000368996	ch6	162727662 +	LANCL1	ENST00000233714	ch2	210472076 +	N.CDS-CDS	0	0	1	0	-	
PARK2-AKAP12	ch6	162727662 +	ch6	151305747 +	PARK2	ENST00000368992	ch6	162727662 +	AKAP12	ENST00000253332	ch6	151305747 +	N.CDS-CDS	0	0	1	0	-	
PARK2-LANCL1	ch6	162727662 +	ch2	210472076 +	PARK2	ENST00000368992	ch6	162727662 +	LANCL1	ENST00000233714	ch2	210472076 +	N.CDS-CDS	0	0	1	0	-	
PARK2-ACBD6	ch6	162727662 +	ch3	184014427 +	PARK2	ENST00000368992	ch6	162727662 +	ACBD6	ENST00000233714	ch3	184014427 +	N.CDS-CDS	0	0	1	0	-	
PARK2-ACBD6	ch6	162727662 +	ch3	183984722 +	PARK2	ENST00000368992	ch6	162727662 +	ACBD6	ENST00000256586	ch3	183984722 +	N.CDS-CDS	0	0	1	0	-	
PARN-ABCA3	ch16	14482638 +	ch16	2329854 +	PARN	ENST00000341484	ch16	14482638 +	ABCA3	ENST00000301732	ch16	2329854 +	Y.CDS-SUTR.4X	0	0	1	1er2	CDS-5UTR	
PARN-PLA2G10	ch16	14672749 +	ch16	14552021 +	PARN	ENST00000341484	ch16	14672749 +	PLA2G10	ENST00000438167	ch16	14672749 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
PARN-SMG1	ch16	14552021 +	ch16	18838466 +	PARN	ENST00000420015	ch16	14552021 +	SMG1	ENST00000446231	ch16	18838466 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
PARN-CACHD1	ch16	14593301 +	ch16	64550594 +	PARN	ENST00000420015	ch16	14593301 +	CACHD1	ENST00000290309	ch16	64550594 +	Y.CDS-CDS	0	0	1	0	-	
PARN-RRN3	ch16	14617590 +	ch16	15084705 +	PARN	ENST00000437198	ch16	14617590 +	RRN3	ENST00000198767	ch16	15084705 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
PARN-RRN3	ch16	14617590 +	ch16	15084705 +	PARN	ENST00000437198	ch16	14617590 +	RRN3	ENST00000198767	ch16	15084705 +	Y.CDS-CDS	0	0	1	1er1	In-frame	
PARP1-LIN9	ch1	226374226 +	ch1	226374226 +</															

PDLMS-SHISA5	ch4	94618191 +	ch3	48501293 -	PDLMS	ENST00000514743	ch4	94618191 +	SHISA5	ENST00000296444	ch3	48501293 -	YCD5-CDS5	0	0	1	1er1	In-frame
PDLIM7-FAM193B	ch5	177491807 -	ch5	177539147 -	PDLIM7	ENST00000355572	ch5	177491807 -	FAM193B	ENST00000502403	ch5	177539147 -	N.CDS-SUTR	0	1	1er3	Out-of-frame	
PDFN1-ACN	ch8	9351079 +	ch8	9351079 +	PDFN1	ENST00000295958	ch8	9351079 +	ACN	ENST00000295958	ch8	9351079 +	N.SUTR-CDS	0	1	1er1	SUTR-CDS	
PDFK1-CNCF	ch16	2538136 +	ch16	2445458 +	PDFK1	ENST00000268867	ch16	2538136 +	CNCF	ENST00000293958	ch16	2445458 +	N.CDS-SUTR-2X	0	0	1er2	Out-of-frame	
PDSSA-RBM47	ch4	39976440 -	ch4	40466990 -	PDSSA	ENST00000303538	ch4	39976440 -	RBM47	ENST00000295971	ch4	40466990 -	N.CDS-SUTR	0	0	1er4	CDS-SUTR	
PDSSB-UBR2	ch13	32586593 +	ch16	42691032 +	PDSSB	ENST00000315596	ch13	32586593 +	UBR2	ENST00000372899	ch16	42691032 +	N.SUTR-CDS	0	0	1er1	SUTR-CDS	
PDSSB-CRYBB1	ch13	32586593 +	ch22	26616338 -	PDSSB	ENST00000315596	ch13	32586593 +	CRYBB1	ENST00000215939	ch22	26616338 -	N.SUTR-SUTR	0	0	1er1	SUTR-SUTR	
PDSSB-CD3EAP	ch13	32586593 +	ch19	45407094 -	PDSSB	ENST00000315596	ch13	32586593 +	CD3EAP	ENST00000309424	ch19	45407094 -	N.SUTR-CDS	0	0	1er4	SUTR-CDS	
PDSSB-ATP9A2	ch13	32586593 +	ch13	25828118 +	PDSSB	ENST00000315596	ch13	32586593 +	ATP9A2	ENST00000295283	ch13	25828118 +	N.SUTR-CDS	0	0	1er1	SUTR-CDS	
PDSSB-COLA1A1	ch13	32586593 +	ch13	110242734 -	PDSSB	ENST00000315596	ch13	32586593 +	COLA1A1	ENST00000375820	ch13	110242734 -	N.SUTR-CDS	0	0	1er1	SUTR-CDS	
PDSSB-TBC1D4	ch13	32586593 +	ch13	75362607 -	PDSSB	ENST00000315596	ch13	32586593 +	TBC1D4	ENST00000377625	ch13	75362607 -	N.SUTR-CDS	0	0	1er4	SUTR-CDS	
PDSS2-LMBRD1	ch6	107274029 -	ch6	69719081 -	PDSS2	ENST00000369031	ch6	107274029 -	LMBRD1	ENST00000370570	ch6	69719081 -	N.SUTR-CDS	0	1	0	-	
PDSS2-SMARCA4	ch16	107458990 -	ch19	10984121 +	PDSS2	ENST00000369031	ch16	107458990 -	SMARCA4	ENST00000344626	ch19	10984121 +	YCD5-SUTR	0	0	1er1	CDS-SUTR	
PDXDC1-NAV2	ch16	14975220 +	ch11	19832484 +	PDXDC1	ENST00000450288	ch16	14975220 +	NAV2	ENST00000349880	ch11	19832484 +	YND-CDS-1X	0	0	1er1	In-frame	
PDXDC1-NAV2	ch16	14975220 +	ch11	19832484 +	PDXDC1	ENST00000569715	ch16	14975220 +	NAV2	ENST00000349880	ch11	19832484 +	YCD5-CDS	0	1	1er1	In-frame	
PDXDC1-NAV2	ch16	14975220 +	ch11	19832484 +	PDXDC1	ENST00000325823	ch16	14975220 +	NAV2	ENST00000349880	ch11	19832484 +	YCD5-CDS	0	1	1er1	In-frame	
PDXDC1-NAV2	ch16	14975220 +	ch11	19832484 +	PDXDC1	ENST00000455313	ch16	14975220 +	NAV2	ENST00000349880	ch11	19832484 +	YCD5-CDS	0	1	1er1	In-frame	
PDXDC1-NAV2	ch16	14975220 +	ch11	19832484 +	PDXDC1	ENST0000055621	ch16	14975220 +	NAV2	ENST00000349880	ch11	19832484 +	YCD5-CDS	0	1	1er1	In-frame	
PDXDC1-LMF1	ch16	15008847 +	ch16	893072 -	PDXDC1	ENST00000325823	ch16	15008847 +	LMF1	ENST00000262301	ch16	893072 -	YCD5-CDS	0	1	1er1	In-frame	
PDXDC1-BFAR	ch16	15030056 +	ch16	14661892 +	PDXDC1	ENST00000396410	ch16	15030056 +	BFAR	ENST00000261658	ch16	14661892 +	N.CDS-CDS-2X	0	0	1er1	Out-of-frame	
PDXDC1-RAB11F1F4	ch16	15030056 +	ch17	31434034 +	PDXDC1	ENST00000396410	ch16	15030056 +	RAB11F1F4	ENST00000579088	ch17	31434034 +	N.CDS-SUTR	0	1	1er1	In-frame	
PDXDC1-MMP14	ch16	15037886 +	ch14	22836620 +	PDXDC1	ENST00000396410	ch16	15037886 +	MMP14	ENST00000311852	ch14	22836620 +	Y3UTR-SUTR-2X	0	0	1er3	NA	
PDXK-ABC1	ch21	43719381 +	ch21	42225671 +	PDXK	ENST00000291565	ch21	43719381 +	ABC1	ENST00000398457	ch21	42225671 +	YCD5-CDS	0	1	0	-	
PDXK-LIN7A	ch21	43743807 +	ch21	80889369 -	PDXK	ENST00000291565	ch21	43743807 +	LIN7A	ENST00000261203	ch21	80889369 -	YCD5-CDS	0	0	1er1	In-frame	
PDXK-LCASL	ch21	43749080 +	ch21	39429211 -	PDXK	ENST00000291565	ch21	43749080 +	LCASL	ENST00000288350	ch21	39429211 -	YCD5-SUTR-2X	0	0	1er1	CDS-SUTR	
PDXP-SLC17A9	ch22	62956765 +	ch22	62956765 +	PDXP	ENST00000215904	ch22	62956765 +	SLC17A9	ENST00000370349	ch22	62956765 +	N.CDS-CDS	0	0	1er1	Out-of-frame	
PDZ2-COL27A1	ch5	32093024 +	ch5	32093024 +	PDZ2	ENST00000438447	ch5	32093024 +	COL27A1	ENST00000350683	ch5	32093024 +	YCD5-CDS	0	1	1er1	In-frame	
PDZ10	ch10	116855623 +	ch10	116855623 +	PDZ10	ENST00000438447	ch10	116855623 +	ENCL	ENST00000314726	ch10	116855623 +	YCD5-CDS	0	1	1er1	Out-of-frame	
PDZRN3-TMCI	ch3	72788339 -	ch3	72788339 -	PDZRN3	ENST00000263666	ch3	72788339 -	TMCI	ENST00000297784	ch3	72788339 -	N.CDS-CDS-1X	0	0	1er2	In-frame	
PDZRN3-THR8	ch3	73602354 -	ch3	24337371 -	PDZRN3	ENST00000263666	ch3	73602354 -	THR8	ENST00000356447	ch3	24337371 -	YCD5-SUTR-1X	0	0	1er1	CDS-SUTR	
PDZRN3-CACNA2D3	ch3	73602354 -	ch3	54386715 +	PDZRN3	ENST00000263666	ch3	73602354 -	CACNA2D3	ENST00000281977	ch3	54386715 +	YCD5-CDS	0	0	1er1	In-frame	
PDZRN3-ADAM19	ch3	73602354 -	ch5	157570980 -	PDZRN3	ENST00000263666	ch3	73602354 -	ADAM19	ENST00000257527	ch5	157570980 -	N.CDS-CDS	0	0	1er3	Out-of-frame	
PDZRN3-EIF4E3	ch3	71728623 -	ch3	71728623 -	PDZRN3	ENST00000263666	ch3	71728623 -	EIF4E3	ENST00000295612	ch3	71728623 -	N.CDS-SUTR-1X	0	0	1er3	Out-of-frame	
PDZRN3-FOXP1	ch3	71053773 +	ch3	71053773 +	PDZRN3	ENST00000263666	ch3	71053773 +	FOXP1	ENST00000318769	ch3	71053773 +	YCD5-CDS	0	1	1er1	In-frame	
PDZRN4-CPM	ch12	41555760 +	ch12	68932840 -	PDZRN4	ENST00000298911	ch12	41555760 +	CPM	ENST00000338556	ch12	68932840 -	YCD5-SUTR	0	1	0	-	
PEA15-SIAE	ch1	160215376 +	ch11	124673881 -	PEA15	ENST00000360472	ch1	160215376 +	SIAE	ENST00000263593	ch11	124673881 -	N3UTR-SUTR	0	0	1er3	3UTR-SUTR	
PEAK1-PSTPIP1	ch15	77178790 -	ch15	77025284 +	PEAK1	ENST00000312493	ch15	77178790 -	PSTPIP1	ENST00000379595	ch15	77025284 +	YCD5-CDS	0	1	0	-	
PEBP4-UNC5D	ch8	22724843 +	ch8	35549292 -	PEBP4	ENST00000256404	ch8	22724843 +	UNC5D	ENST00000287272	ch8	35549292 -	YCD5-CDS	0	1	0	-	
PEF1-OSBPL9	ch1	31644841 -	ch1	51745536 +	PEF1	ENST00000373703	ch1	31644841 -	OSBPL9	ENST00000361556	ch1	51745536 +	YCD5-CDS	0	1	0	-	
PELL1-ACGT2	ch2	64104701 -	ch2	73901276 +	PELL1	ENST00000373703	ch2	64104701 -	ACGT2	ENST00000345517	ch2	73901276 +	YCD5-SUTR	0	0	1er4	CDS-SUTR	
PELL1-CAMT2	ch2	68587341 -	ch2	49041378 +	PELL1	ENST00000373703	ch2	68587341 -	CAMT2	ENST00000440322	ch2	49041378 +	N.CDS-SUTR	0	0	1er2	SUTR-CDS	
PELL2-FBXO3	ch14	56118737 +	ch14	39402511 -	PELL2	ENST00000267460	ch14	56118737 +	FBXO3	ENST00000298097	ch14	39402511 -	YCD5-CDS	0	1	1er3	In-frame	
PELL2-FOXN3	ch14	56118737 +	ch14	89412490 -	PELL2	ENST00000267460	ch14	56118737 +	FOXN3	ENST00000261302	ch14	89412490 -	N.CDS-SUTR	0	0	1er1	CDS-SUTR	
PELL2-KTN1	ch14	56118737 +	ch14	55656042 +	PELL2	ENST00000267460	ch14	56118737 +	KTN1	ENST00000395308	ch14	55656042 +	YCD5-CDS	0	1	1er1	In-frame	
PELL2-GPHN	ch14	56178464 +	ch14	67023633 +	PELL2	ENST00000267460	ch14	56178464 +	GPHN	ENST00000315266	ch14	67023633 +	YCD5-CDS	0	1	1er1	In-frame	
PELL2-GPHN	ch14	56178464 +	ch14	67023633 +	PELL2	ENST00000267460	ch14	56178464 +	GPHN	ENST00000496286	ch14	67023633 +	YCD5-CDS	0	1	1er1	In-frame	
PELL1-CAMT2	ch17	4674510 -	ch17	4674510 -	PELL1	ENST00000301396	ch17	4674510 -	CAMT2	ENST00000347850	ch17	4674510 -	YCD5-CDS	0	1	0	-	
PELL1-CHRHE	ch17	4676357 -	ch17	4676357 -	PELL1	ENST00000301396	ch17	4676357 -	CHRHE	ENST00000303780	ch17	4676357 -	YCD5-CDS	0	1	0	-	
PELL1-YBX2	ch17	4703863 -	ch17	7293538 -	PELL1	ENST00000301396	ch17	4703863 -	YBX2	ENST0000007699	ch17	7293538 -	N.CDS-CDS	0	1	0	-	
PEMT-PRKCA	ch17	17576920 -	ch17	66641355 +	PEMT	ENST00000255389	ch17	17576920 -	PRKCA	ENST00000413366	ch17	66641355 +	YCD5-CDS	0	1	0	-	
PEMT-RAI1	ch17	17576920 -	ch17	17724028 +	PEMT	ENST00000255389	ch17	17576920 -	RAI1	ENST00000353383	ch17	17724028 +	N.CDS-SUTR-1X	0	0	1er1	CDS-SUTR	
PEMT-TOP3A	ch17	17576920 -	ch17	18280658 -	PEMT	ENST00000255389	ch17	17576920 -	TOP3A	ENST00000321105	ch17	18280658 -	N.CDS-CDS	0	1	1er1	Out-of-frame	
PEMT-SCUBE1	ch17	17576920 -	ch22	43258335 -	PEMT	ENST00000255389	ch17	17576920 -	SCUBE1	ENST00000290460	ch22	43258335 -	N.CDS-CDS	0	1	1er1	Out-of-frame	
PEMT-SCUBE1	ch17	17576920 -	ch17	49041378 +	PEMT	ENST00000255389	ch17	17576920 -	SCUBE1	ENST00000290460	ch17	49041378 +	N.CDS-CDS	0	1	1er1	Out-of-frame	
PEMT-TOP3A	ch17	17576920 -	ch17	18280658 -	PEMT	ENST00000255389	ch17	17576920 -	TOP3A	ENST00000321105	ch17	18280658 -	N.CDS-CDS	0	1	1er1	Out-of-frame	
PEMT-PRKCA	ch17	17576920 -	ch17	66641355 +	PEMT	ENST00000435340	ch17	17576920 -	PRKCA	ENST00000413366	ch17	66641355 +	YCD5-CDS	0	1	0	-	
PEMT-SCUBE1	ch17	17576920 -	ch22	43258335 -	PEMT	ENST00000395782	ch17	17576920 -	SCUBE1	ENST00000290460	ch22	43258335 -	N.CDS-CDS	0	1	1er1	Out-of-frame	
PEMT-SCUBE1	ch17	17576920 -	ch22	43258335 -	PEMT	ENST00000395782	ch17	17576920 -	SCUBE1	ENST00000360835	ch22	43258335 -	N.CDS-CDS	0	1	1er1	Out-of-frame	
PEMT-NEU3	ch17	17591531 -	ch17	174994509 +	PEMT	ENST00000255389	ch17	17591531 -	NEU3	ENST00000294064	ch17	174994509 +	N.CDS-CDS	0	0	1er1	Out-of-frame	
PENK-PLAT	ch8	56440954 -	ch8	42193727 -	PENK	ENST00000314922	ch8	56440954 -	PLAT	ENST00000520523	ch8	42193727 -	N3UTR-SUTR-1X	0	0	1er3	NA	
PER5B-NDIFB7	ch19	334517219 -	ch19	145669319 -	PER5B	ENST00000314922	ch19	334517219 -	NDIFB7	ENST0000021519	ch19	145669319 -	YCD5-CDS	0	1	1er1	Out-of-frame	
PEPD-GRAMD1A	ch19	33462995 -	ch19	33462995 -	PEPD	ENST00000244137	ch19	33462995 -	GRAMD1A	ENST00000317091	ch19	33462995 -	N.CDS-SUTR	0	1	1er1	In-frame	
PEPD-SKAP1	ch19	33462995 -	ch17	48137337 -	PEPD	ENST00000244137	ch19	33462995 -	SKAP1	ENST00000336915	ch17	48137337 -	N.CDS-CDS	0	1	1er1	Out-of-frame	
PEPD-SKAP1	ch19	33462995 -	ch17	48137337 -	PEPD	ENST00000244137	ch19	33462995 -	SKAP1	ENST00000584924	ch17	48137337 -	N.CDS-CDS	0	1	1er1	Out-of-frame	
PER1-ENOPH1	ch																	

PHF21B-CLTCL1	chr22	45008545	chr22	45008545	CLTCL1	ENST00000427926	chr22	19242936	YCCDS-CDS	0	1	1	ter1	In-frame	
PHF21B-WNT7B	chr22	45008545	chr22	45931369	WNT7B	ENST00000339644	chr22	45931369	N.CDS-CDS	0	1	1	ter2	Out-of-frame	
PHF21B-NCCL	chr22	45008545	chr22	45931369	NCCL	ENST00000339644	chr22	45931369	N.CDS-CDS	0	1	1	ter3	Out-of-frame	
PHF21B-CLTCL1	chr22	45008545	chr22	19242936	CLTCL1	ENST00000427926	chr22	19242936	YCCDS-CDS	0	1	1	ter1	In-frame	
PHF23-TOM1	chr17	7239246	chr17	7239246	TOM1	ENST0000044284	chr17	7239246	N.CDS-3UTR	0	1	1	ter3	Out-of-frame	
PHF23-TOM1	chr17	7239246	chr17	7239246	TOM1	ENST00000411850	chr17	7239246	N.CDS-CDS	0	1	1	ter3	Out-of-frame	
PHF23-TOM1	chr17	7239246	chr17	7239246	TOM1	ENST0000044284	chr17	7239246	N.CDS-3UTR	0	1	1	ter3	Out-of-frame	
PHF23-TOM1	chr17	7239246	chr17	7239246	TOM1	ENST00000411850	chr17	7239246	N.CDS-CDS	0	1	1	ter3	Out-of-frame	
PHF3-QK1	chr6	63636150	chr6	63636150	QK1	ENST00000275262	chr6	63636150	N.SUTR-CDS:1X	0	0	1	ter1	SUTR-CDS	
PHF3-R3HC1	chr6	63636150	chr6	23288506	R3HC1	ENST00000265908	chr6	23288506	N.SUTR-SUTR:1X	0	0	1	ter1	SUTR-SUTR	
PHF3-SY74	chr6	63646795	chr18	43274394	SY74	ENST00000255224	chr18	43274394	YCCDS-CDS	0	1	1	ter4	In-frame	
PHF3-EYS	chr6	63646795	chr6	64082002	EYS	ENST00000370621	chr6	64082002	YCCDS-CDS	0	1	1	ter3	In-frame	
PHF3-ENPP3	chr6	63646795	chr6	131637235	ENPP3	ENST00000414305	chr6	131637235	N.CDS-SUTR:5X	0	0	1	ter1	CDS-SUTR	
PHF3-NUS1	chr6	63646795	chr6	117693042	NUS1	ENST00000368494	chr6	117693042	YCCDS-CDS	0	1	0	0	0	0
PHF3-NOMO2	chr6	63713082	chr16	18424325	NOMO2	ENST00000453392	chr16	18424325	YCCDS-ND:8X	0	1	0	0	0	0
PHF3-NOMO2	chr6	63713082	chr16	18424325	NOMO2	ENST00000330537	chr16	18424325	N.CDS-CDS:180X	0	1	0	0	0	0
PHF3-FAM120C	chrX	54042831	chrX	54042831	FAM120C	ENST00000328253	chrX	54042831	YCCDS-CDS	0	1	1	ter1	Out-of-frame	
PHGDH-ANXA1	chr1	119744213	chr9	73157654	PHGDH	ENST00000369407	chr1	119744213	Y:3UTR-SUTR:19X	0	0	1	ter3	3UTR-SUTR	
PHIP-FTO	chr6	79042843	chr16	54111762	FTO	ENST00000471389	chr16	54111762	N.CDS-CDS:8X	0	1	1	ter1	Out-of-frame	
PHIP-HMGN3	chr6	79042843	chr6	79215022	HMGN3	ENST00000275036	chr6	79215022	YCCDS-CDS	0	1	1	ter1	In-frame	
PHIP-MYO6	chr6	79060478	chr6	79060478	MYO6	ENST00000369977	chr6	79060478	YCCDS-SUTR:1X	0	0	1	ter2	CDS-SUTR	
PHKA1-IBN1	chrX	72652544	chr2	127062197	PHKA1	ENST00000339490	chrX	72652544	YCCDS-CDS	0	1	0	0	0	0
PHKB-POE3A	chr16	47669417	chr12	20646490	PHKB	ENST00000298167	chr16	47669417	N.CDS-CDS:39X	0	1	1	ter1	Out-of-frame	
PHKB-SCN8A	chr16	47696488	chr12	51684174	PHKB	ENST00000298167	chr16	47696488	YCCDS-CDS	0	1	1	ter1	In-frame	
PHLDA3-MYBPB	chr1	201468341	chr1	201468341	MYBPB	ENST00000255416	chr1	201468341	Y:3UTR-CDS:1X	0	0	1	ter1	3UTR-CDS	
PHLDB1-RNF121	chr11	118607699	chr11	118607699	RNF121	ENST00000361756	chr11	118607699	N.SUTR-CDS	0	0	1	ter1	SUTR-CDS	
PHLDB1-SPAG9	chr11	118607699	chr11	118607699	SPAG9	ENST00000262013	chr11	118607699	N.SUTR-CDS	0	0	1	ter1	SUTR-CDS	
PHLDB1-LTORA	chr11	118607699	chr11	117993999	LTOR	ENST00000227572	chr11	117993999	N.SUTR-CDS	0	0	1	ter1	SUTR-CDS	
PHLDB1-UBE4A	chr11	11832296	chr11	11832296	UBE4A	ENST00000431736	chr11	11832296	YCCDS-CDS	0	1	1	ter1	In-frame	
PHLDB1-UBE4A	chr11	11832296	chr11	11832296	UBE4A	ENST00000431736	chr11	11832296	YCCDS-CDS	0	1	1	ter1	In-frame	
PHLDB1-TAGLN	chr11	118656785	chr11	117204271	TAGLN	ENST00000392951	chr11	117204271	N.SUTR-CDS	0	1	0	0	0	0
PHLDB2-RIMS2	chr3	111732703	chr3	104148607	RIMS2	ENST00000408894	chr3	104148607	N.SUTR-CDS:3X	0	0	1	ter1	SUTR-CDS	
PHLDB2-CD96	chr3	111845935	chr3	111623754	CD96	ENST00000283285	chr3	111623754	YCCDS-CDS	0	1	1	ter1	In-frame	
PHLDB2-CD96	chr3	111845935	chr3	111647543	CD96	ENST00000283285	chr3	111647543	YCCDS-CDS	0	1	1	ter1	In-frame	
PHLDB2-KCNAB1	chr3	111845935	chr3	111845935	KCNAB1	ENST00000302490	chr3	111845935	N.SUTR-CDS:1X	0	1	1	ter3	SUTR-CDS	
PHLPP1-ADAMTS13	chr18	62717259	chr18	62717259	ADAMTS13	ENST00000356599	chr18	62717259	N.CDS-CDS	0	0	1	ter3	Out-of-frame	
PHLPP1-WDR12	chr18	62920114	chr18	62920114	WDR12	ENST00000261015	chr18	62920114	N.CDS-CDS:36X	0	0	1	ter2	Out-of-frame	
PHLPP2-KIF22	chr16	29796893	chr16	29796893	KIF22	ENST00000160827	chr16	29796893	YCCDS-CDS	0	0	1	ter1	In-frame	
PHRF1-PTDSS2	chr11	479085	chr11	479085	PTDSS2	ENST00000308020	chr11	479085	YCCDS-CDS	0	1	1	ter1	In-frame	
PHRF1-PTDSS2	chr11	479085	chr11	479085	PTDSS2	ENST00000308020	chr11	479085	YCCDS-CDS	0	1	1	ter1	In-frame	
PHRF1-PTDSS2	chr11	479085	chr11	479085	PTDSS2	ENST00000308020	chr11	479085	YCCDS-CDS	0	1	1	ter1	In-frame	
PHRF1-LRRC56	chr11	601701	chr11	551131	LRRC56	ENST00000270115	chr11	551131	YCCDS-CDS	0	1	1	ter4	In-frame	
PHRF1-HCFC1R1	chr11	605724	chr16	3023534	HCFC1R1	ENST00000248089	chr11	605724	N.CDS-ND:14X	0	1	0	0	0	0
PHRF1-HCFC1R1	chr11	605724	chr16	3023534	HCFC1R1	ENST00000248089	chr16	3023534	N.CDS-ND:14X	0	1	0	0	0	0
PHRF1-EPCAM	chr11	610685	chr2	47379031	EPCAM	ENST00000263735	chr11	610685	N.CDS-CDS	0	1	0	0	0	0
PHRF1-ESRRG	chr1	113757699	chr1	216939673	ESRRG	ENST00000359162	chr1	216939673	YCCDS-SUTR:3X	0	0	1	ter4	CDS-SUTR	
PHRF2-BSNL1	chr7	7773137	chr7	7773137	BSNL1	ENST00000304056	chr7	7773137	YCCDS-SUTR:4X	0	0	1	ter3	SUTR-SUTR	
PHRF2-KBTBD2	chr7	7791020	chr7	7791020	KBTBD2	ENST00000304056	chr7	7791020	N.CDS-CDS:14X	0	0	1	ter1	Out-of-frame	
PHRF2-BET1	chr7	77910409	chr7	77910409	BET1	ENST00000225247	chr7	77910409	N.CDS-CDS:14X	0	0	1	ter1	Out-of-frame	
PHRF2-RUND3CB	chr7	77953894	chr7	77953894	RUND3CB	ENST00000493037	chr7	77953894	N.CDS-CDS:60X	0	1	1	ter3	Out-of-frame	
PHYHD1-ZER1	chr9	12875256	chr9	12875256	ZER1	ENST00000291900	chr9	12875256	N.CDS-SUTR	0	0	1	ter1	CDS-SUTR	
PKA2A-UBT1	chr10	97584914	chr10	97584914	UBT1	ENST00000370664	chr10	97584914	N.ND-CDS	0	0	1	ter1	In-frame	
PKA2A-ASMT	chr10	9767120	chr10	102989544	ASMT	ENST00000369880	chr10	102989544	YCCDS-CDS	0	1	0	0	0	0
PKA2A-ZDHHC16	chr10	9767120	chr10	97453180	ZDHHC16	ENST00000370664	chr10	97453180	YCCDS-CDS	0	1	0	0	0	0
PKA2B-INSR	chr4	25234431	chr4	25234431	INSR	ENST00000302050	chr4	25234431	YCCDS-CDS	0	1	1	ter2	In-frame	
PKA4-ZNF274	chr22	20747583	chr19	58206720	ZNF274	ENST00000326804	chr19	58206720	N.CDS-CDS:42X	0	1	1	ter1	Out-of-frame	
PKA4-DEPDC5	chr22	20747583	chr22	20747583	DEPDC5	ENST00000382111	chr22	20747583	N.CDS-CDS:56X	0	0	1	ter3	Out-of-frame	
PKA4-TTC39C	chr22	20752903	chr18	24114554	TTC39C	ENST00000304621	chr18	24114554	N.CDS-CDS:37X	0	1	0	0	0	0
PKA4-FAM19A5	chr22	20793193	chr22	20793193	FAM19A5	ENST00000358295	chr22	20793193	N.CDS-CDS:25X	0	1	0	0	0	0
PKA4-CDH10	chr22	20793193	chr5	24537674	CDH10	ENST00000264463	chr5	24537674	YCCDS-CDS	0	1	0	0	0	0
PKA4-RREB1	chr22	20834562	chr4	62482194	RREB1	ENST00000334984	chr4	62482194	N.CDS-CDS	0	1	1	ter1	In-frame	
PKA4-CLTCL1	chr22	20834562	chr22	19242936	CLTCL1	ENST00000427926	chr22	19242936	N.CDS-CDS:4X	0	0	1	ter1	Out-of-frame	
PKA4-SNAP29	chr22	20858570	chr22	20858570	SNAP29	ENST00000215730	chr22	20858570	YCCDS-CDS	0	0	1	ter1	Out-of-frame	
PKA4-PRODH	chr22	20858572	chr22	18925722	PRODH	ENST00000334029	chr22	18925722	N.CDS-CDS	0	0	1	ter1	SUTR-CDS	
PKA4-SELENBP1	chr1	151315573	chr1	151315573	SELENBP1	ENST00000368868	chr1	151315573	N.CDS-CDS	0	0	1	ter1	Out-of-frame	
PKA4-SELENBP1	chr1	151315573	chr1	151315573	SELENBP1	ENST00000368868	chr1	151315573	N.CDS-CDS	0	0	1	ter1	Out-of-frame	
PKA4-SY11	chr15	152885000	chr1	152885000	SY11	ENST00000385324	chr1	152885000	N.SUTR-CDS	0	0	1	ter4	SUTR-CDS	
PIAS1-MEF2A	chr15	68054350	chr15	68054350	MEF2A	ENST00000338042	chr15	68054350	YCCDS-CDS	0	1	0	0	0	0
PIAS1-ZNF609	chr15	68054350	chr15	64678116	ZNF609	ENST00000326848	chr15	64678116	YCCDS-CDS	0	1	1	ter1	In-frame	
PIAS1-MAP2K5	chr15	68086750	chr15	67692479	MAP2K5	ENST00000178640	chr15	67692479	YCCDS-CDS	0	1	1	ter4	In-frame	
PIAS2-IER3P1	chr18	46895880	chr18	47157337	IER3P1	ENST00000256433	chr18	47157337	YCCDS-CDS	0	1	0	0	0	0
PIAS3-BZRAP1	chr1	145850232	chr17	58309698	BZRAP1	ENST00000269893	chr17	58309698	N.CDS-CDS:2X	0	1	1	ter1	In-frame	
PIAS3-REX1	chr1	145850232	chr1	145850232	REX1	ENST00000272190	chr1	145850232	N.SUTR-CDS:14X	0	0	1	ter1	SUTR-CDS	
PIAS4-NID2	chr19	4013025	chr14	52020111	NID2	ENST00000162686	chr14	52020111	N.CDS-CDS	0	1	0	0	0	0
PIAS4-ZFR2	chr19	4013349	chr19	3823403	ZFR2	ENST00000262961	chr19	3823403	YCCDS-CDS	0	1	1	ter1	In-frame	
PIAS4-ZNF787	chr19	4033580	chr19	56103227	ZNF787	ENST00000586787	chr19	56103227	N.CDS-SUTR	0	0	1	ter1	CDS-SUTR	
P1BF1-C1orf65	chr13	72917166	chr13	72917166	C1orf65	ENST00000393084	chr13	72917166	N.CDS-CDS:45X	0	0	1	ter4	Out-of-frame	
PICALM-MLL10	chr11	85974708	chr10	21651673	MLL10	ENST00000307729	chr10	21651673	YCCDS-CDS	0	1	2	ter1	In-frame	
PICALM-MLL10	chr11	85974708	chr10	21651673	MLL10	ENST00000307729	chr10	21651673	YCCDS-CDS	0	1	2	ter1	In-frame	
PICALM-MLL10	chr11	85974708	chr10	21651673	MLL10	ENST00000307729	chr10	21651673	YCCDS-CDS	0	1	2	ter1	In-frame	
PICALM-MLL10	chr11	85981129	chr10	21651673	MLL10	ENST00000307729	chr10	21651673	YCCDS-CDS	0	1	0	0	0	0
PICALM-ME3	chr11	85996826	chr11	86487440	ME3	ENST00000323418	chr11	86487440	N.CDS-CDS:24X	0	0	1	ter1		

PLXNB1-ITRH3	ch3	48421674	ch3	48421674	ITRH3	ENST00000449956	ch3	52804726	ch3	52804726	N.CDS-CDS.15X	0	0	1	1er1	Out-of-frame	
PLXNB2-P4H1M	ch22	50274979	ch3	49001438	P4H1M	ENST00000343546	ch3	49001438	ch3	49001438	N.3UTR-CDS.25X	0	0	1	1er3	3UTR-CDS	
PLXNB2-SUP16H	ch22	50274979	ch3	49001438	SUP16H	ENST00000343546	ch3	49001438	ch3	49001438	N.3UTR-ND.3X	0	0	1	1er3	3UTR-CDS	
PLXNB2-UTRN	ch22	50274979	ch3	44344101	UTRN	ENST00000423265	ch3	44344101	ch3	44344101	N.3UTR-SUTR	0	0	1	1er3	NA	
PLXNB2-ST3GAL1	ch22	50280005	ch3	133499189	ST3GAL1	ENST00000517668	ch3	133499189	ch3	133499189	N.CDS-SUTR	0	0	1	1er1	Out-of-frame	
PLXNB2-MA5T4	ch22	50283602	ch3	66899951	MA5T4	ENST00000406039	ch3	66899951	ch3	66899951	N.CDS-CDS.7X	0	1	1	1er1	Out-of-frame	
PLXNB2-MA5T4	ch22	50283602	ch3	66899951	MA5T4	ENST00000406325	ch3	66899951	ch3	66899951	N.CDS-CDS.7X	0	1	1	1er1	Out-of-frame	
PLXNB2-MA5T4	ch22	50283602	ch3	66899951	MA5T4	ENST00000406374	ch3	66899951	ch3	66899951	N.CDS-CDS.7X	0	1	1	1er1	Out-of-frame	
PLXNB2-NDUF4L2	ch22	50285900	ch12	57237335	NDUF4L2	ENST00000554503	ch12	57237335	ch12	57237335	N.CDS-SUTR.22X	0	1	0	1	1er1	Out-of-frame
PLXNB2-TMPRSS8	ch22	50294719	ch22	37103418	TMPRSS8	ENST00000346763	ch22	37103418	ch22	37103418	N.5UTR-CDS	0	0	1	1er1	5UTR-SUTR	
PLXNB2-DL2	ch22	50294719	ch11	83980642	DL2	ENST00000280241	ch11	83980642	ch11	83980642	N.5UTR-CDS	0	0	1	1er1	5UTR-CDS	
PLXNC1-CRADD	ch12	94265225	ch12	93849970	CRADD	ENST00000332896	ch12	93849970	ch12	93849970	N.CDS-CDS.38X	0	0	1	1er1	Out-of-frame	
PLXNC1-TXNRD1	ch12	94284011	ch12	104348353	TXNRD1	ENST00000354940	ch12	104348353	ch12	104348353	Y.CDS-CDS	0	0	1	1er1	In-frame	
PLXNC1-INSR	ch12	94301057	ch12	94301057	INSR	ENST00000302850	ch12	94301057	ch12	94301057	N.CDS-CDS.54X	0	0	1	1er1	Out-of-frame	
PLXNC1-CRADD	ch12	94304051	ch12	93678769	CRADD	ENST00000332896	ch12	93678769	ch12	93678769	Y.CDS-SUTR	0	0	1	1er1	CDS-SUTR	
PLXND1-NEK1	ch3	12358952	ch3	131349557	NEK1	ENST00000383366	ch3	131349557	ch3	131349557	N.CDS-CDS.4X	0	0	1	1er1	Out-of-frame	
PMEPA1-RIGP	ch20	57709474	ch20	37072537	RIGP	ENST00000329667	ch20	37072537	ch20	37072537	N.CDS-SUTR	0	0	1	1er1	CDS-SUTR	
PMEPA1-ETV4	ch20	57709474	ch17	43536479	ETV4	ENST00000319349	ch17	43536479	ch17	43536479	Y.CDS-CDS	0	0	1	1er1	In-frame	
PMEPA1-PTGIS	ch20	57709474	ch20	49514395	PTGIS	ENST00000244043	ch20	49514395	ch20	49514395	N.CDS-CDS	0	1	0	1	1er1	Out-of-frame
PMEPA1-RALY	ch20	57709474	ch20	34031522	RALY	ENST00000246194	ch20	34031522	ch20	34031522	Y.CDS-SUTR.1X	0	0	1	1er2	CDS-SUTR	
PMEPA1-FAM83C	ch20	57709474	ch20	35288958	FAM83C	ENST00000374408	ch20	35288958	ch20	35288958	N.CDS-CDS	0	1	0	1	1er1	Out-of-frame
PMF1-RAB25	ch1	156213176	ch1	15608270	RAB25	ENST00000361084	ch1	15608270	ch1	15608270	Y.CDS-CDS	0	1	0	1	1er1	Out-of-frame
PMF1-SY11	ch1	156213176	ch1	155880500	SY11	ENST00000368273	ch1	155880500	ch1	155880500	N.CDS-CDS	0	0	1	1er1	Out-of-frame	
PMF1-RAB25	ch1	156213176	ch1	15608270	RAB25	ENST00000361084	ch1	15608270	ch1	15608270	Y.CDS-CDS	0	1	0	1	1er1	Out-of-frame
PMF1-RAB25	ch1	156213176	ch1	15608270	RAB25	ENST00000361084	ch1	15608270	ch1	15608270	Y.CDS-CDS	0	1	0	1	1er1	Out-of-frame
PML-POLN	ch15	74033414	ch15	2095933	POLN	ENST00000268058	ch15	2095933	ch15	2095933	N.CDS-CDS.12X	0	0	1	1er1	Out-of-frame	
PMM2-ABAT	ch16	8811713	ch16	8735699	ABAT	ENST00000262821	ch16	8735699	ch16	8735699	Y.CDS-SUTR	0	0	1	1er1	Out-of-frame	
PMM2-UBFD1	ch16	8813106	ch16	23562206	UBFD1	ENST00000395878	ch16	23562206	ch16	23562206	Y.CDS-CDS	0	1	1	1er1	In-frame	
PMM2-FDPS	ch16	8813106	ch16	155317941	FDPS	ENST00000368356	ch16	155317941	ch16	155317941	Y.CDS-CDS	0	1	1	1er1	In-frame	
PMM2-UBFD1	ch16	8813106	ch16	23562206	UBFD1	ENST00000395878	ch16	23562206	ch16	23562206	Y.CDS-CDS	0	1	1	1er1	In-frame	
PMM2-FDPS	ch16	8813106	ch16	155317941	FDPS	ENST00000368356	ch16	155317941	ch16	155317941	Y.CDS-CDS	0	3	0	1	1er1	Out-of-frame
PMPCB-BWVXX	ch7	103298708	ch16	79211608	BWVXX	ENST00000539474	ch16	79211608	ch16	79211608	N.CDS-CDS.3X	0	0	1	1er3	Out-of-frame	
PMPCB-PRKAR2B	ch7	103121131	ch7	103121131	PRKAR2B	ENST00000265717	ch7	103121131	ch7	103121131	Y.CDS-CDS	0	0	1	1er1	In-frame	
PMS1-IGCG	ch2	189805754	ch2	162147514	IGCG	ENST00000375497	ch2	162147514	ch2	162147514	N.CDS-CDS	0	1	0	1	1er1	Out-of-frame
PMS1-HIBCH	ch2	189873656	ch2	190246212	HIBCH	ENST00000359678	ch2	190246212	ch2	190246212	Y.CDS-CDS	0	1	0	1	1er1	Out-of-frame
PMS1-HIBCH	ch2	189873656	ch2	190246212	HIBCH	ENST00000359678	ch2	190246212	ch2	190246212	Y.3UTR-CDS.1X	0	1	0	1	1er1	Out-of-frame
PMS2-DNAH11	ch7	6008997	ch7	21773766	DNAH11	ENST00000328843	ch7	21773766	ch7	21773766	N.CDS-CDS	0	0	1	1er1	Out-of-frame	
PMS2-USP42	ch7	6008997	ch7	6111125	USP42	ENST00000306177	ch7	6111125	ch7	6111125	N.CDS-SUTR	0	0	1	1er3	CDS-SUTR	
PMS2-DNAH11	ch7	6008997	ch7	21773766	DNAH11	ENST00000328843	ch7	21773766	ch7	21773766	N.CDS-CDS	0	0	1	1er1	Out-of-frame	
PMS2-AMP2	ch7	6008997	ch7	6015146	AMP2	ENST00000223029	ch7	6015146	ch7	6015146	N.CDS-CDS	0	0	1	1er2	Out-of-frame	
PMVK-PYGO2	ch1	15493252	ch1	15493252	PYGO2	ENST00000368456	ch1	15493252	ch1	15493252	N.CDS-CDS	0	0	1	1er1	In-frame	
PNL1-FM3	ch6	12929965	ch1	12929965	FM3	ENST00000368591	ch1	12929965	ch1	12929965	N.CDS-CDS	0	0	1	1er1	Out-of-frame	
PNLDC1-KLHL32	ch6	159804637	ch6	97041492	KLHL32	ENST00000369254	ch6	97041492	ch6	97041492	Y.3UTR-CDS.1X	0	0	1	1er1	Out-of-frame	
PNLIP-CPB1	ch10	148840883	ch10	116548437	CPB1	ENST00000282957	ch10	116548437	ch10	116548437	Y.CDS-CDS	0	1	0	1	1er1	Out-of-frame
PNLIP-CELA2A	ch10	116551232	ch10	116551232	CELA2A	ENST00000359621	ch10	116551232	ch10	116551232	Y.CDS-CDS	0	1	0	1	1er1	Out-of-frame
PNLIP-PLA2G1B	ch10	116556118	ch10	120322317	PLA2G1B	ENST00000432423	ch10	120322317	ch10	120322317	N.CDS-CDS.9X	0	1	0	1	1er1	Out-of-frame
PNLIPR3-CIRBP	ch10	116441334	ch19	1271413	CIRBP	ENST00000320936	ch19	1271413	ch19	1271413	N.CDS-CDS.1X	0	0	1	1er1	Out-of-frame	
PNLIP-IRF3	ch19	39176149	ch19	32594916	IRF3	ENST00000216832	ch19	32594916	ch19	32594916	Y.CDS-CDS	0	0	1	1er1	Out-of-frame	
PN1-SHIROOM3	ch2	15858229	ch2	76555609	SHIROOM3	ENST00000296043	ch2	76555609	ch2	76555609	Y.CDS-CDS	0	0	1	1er1	Out-of-frame	
PNPLA2-EP58L2	ch11	822606	ch11	720062	EP58L2	ENST00000526198	ch11	720062	ch11	720062	Y.CDS-CDS	0	1	1	1er1	In-frame	
PNPLA2-EP58L2	ch11	822606	ch11	720062	EP58L2	ENST00000318562	ch11	720062	ch11	720062	Y.CDS-CDS	0	1	1	1er1	In-frame	
PNPLA6-ATP13A1	ch19	19645532	ch19	19645532	ATP13A1	ENST00000291503	ch19	19645532	ch19	19645532	Y.CDS-CDS	0	1	1	1er1	In-frame	
PNPLA7-SNAPC4	ch9	137484587	ch9	137484587	SNAPC4	ENST00000298532	ch9	137484587	ch9	137484587	N.CDS-CDS.22X	0	1	1	1er1	Out-of-frame	
PNPLA7-EXD3	ch9	137497187	ch9	137497187	EXD3	ENST00000340951	ch9	137497187	ch9	137497187	Y.CDS-CDS	0	1	0	1	1er1	Out-of-frame
PNPLA7-TRN1	ch7	117842438	ch7	117842438	TRN1	ENST00000319269	ch7	117842438	ch7	117842438	Y.CDS-CDS	0	1	1	1er1	In-frame	
PNPLA8-CFTR	ch7	108487759	ch7	108487759	CFTR	ENST00000303094	ch7	108487759	ch7	108487759	Y.CDS-CDS	0	1	1	1er1	In-frame	
PNPO-NPEPPS	ch17	47591956	ch17	47591956	NPEPPS	ENST00000322157	ch17	47591956	ch17	47591956	N.CDS-CDS	0	0	1	1er2	Out-of-frame	
POC1A-TNCC1	ch3	52425213	ch3	52425213	TNCC1	ENST00000232975	ch3	52425213	ch3	52425213	Y.CDS-CDS	0	1	0	1	1er1	Out-of-frame
POC1A-TWF2	ch3	52230995	ch3	52230995	TWF2	ENST00000305533	ch3	52230995	ch3	52230995	Y.CDS-CDS	0	1	0	1	1er1	Out-of-frame
POC1A-TWF2	ch3	52230995	ch3	52230995	TWF2	ENST00000305533	ch3	52230995	ch3	52230995	Y.CDS-CDS	0	1	0	1	1er1	In-frame
POC1A-TWIF2	ch3	52231539	ch3	52231539	TWIF2	ENST00000305533	ch3	52231539	ch3	52231539	Y.CDS-CDS	0	0	1	1er1	In-frame	
POC1B-TNR	ch12	89491936	ch12	89491936	TNR	ENST00000263525	ch12	89491936	ch12	89491936	N.CDS-SUTR.6X	0	0	1	1er1	CDS-SUTR	
POC1B-TNR	ch12	89491936	ch12	89491936	TNR	ENST00000263525	ch12	89491936	ch12	89491936	N.CDS-SUTR	0	0	1	1er1	Out-of-frame	
PODXL2-LAMP3	ch3	127639523	ch3	116444955	LAMP3	ENST00000539653	ch3	116444955	ch3	116444955	N.CDS-ND.2X	0	1	0	1	1er1	Out-of-frame
POFUT1-HCK	ch20	32208065	ch20	32208065	HCK	ENST00000375852	ch20	32208065	ch20	32208065	Y.CDS-CDS	0	1	0	1	1er1	Out-of-frame
POFUT1-HCK	ch20	32208065	ch20	32208065	HCK	ENST00000375852	ch20	32208065	ch20	32208065	Y.CDS-CDS	0	1	0	1	1er1	Out-of-frame
POFUT1-PRICKLE2	ch20	32216721	ch3	6419867	PRICKLE2	ENST00000295902	ch3	6419867	ch3	6419867	Y.CDS-CDS	0	0	1	1er1	CDS-SUTR	
POFUT1-ITCH	ch20	32216721	ch20	34442208	ITCH	ENST00000266260	ch20	34442208	ch20	34442208	Y.CDS-CDS	0	0	1	1er1	Out-of-frame	
POFUT2-ITCH	ch20	32216721	ch20	32101317	ITCH	ENST00000266260	ch20	32101317	ch20	32101317	N.CDS-CDS.54X	0	0	1	1er1	Out-of-frame	
POFUT2-LRP2	ch21	45287741	ch21	45287741	LRP2	ENST00000263816	ch21	45287741	ch21	45287741	N.CDS-CDS	0	0	1	1er3	Out-of-frame	
POGK-SPAG17	ch1	166841088	ch1	166841088	SPAG17	ENST00000336338	ch1	166841088	ch1	166841088	Y.CDS-CDS	0	1	0	1	1er1	Out-of-frame
POGK-FMOD	ch1	166841088	ch1	203342494	FMOD	ENST00000354955	ch1	203342494	ch1	203342494	N.CDS						

PPARGC1B-TCOF1	chr5	149730420	chr5	150361156	PPARGC1E	ENST00000309241	chr5	149730420	TCOF1	ENST00000323668	chr5	150361156	YCCDS-CDS	0	1	0	--
PPARGC1B-TCOF1	chr5	149730420	chr5	150361156	PPARGC1E	ENST00000309241	chr5	149730420	TCOF1	ENST00000323668	chr5	150361156	YCCDS-CDS	0	1	0	--
PPARGC1B-IL17B	chr5	149826885	chr5	149377025	PPARGC1E	ENST00000309241	chr5	149826885	IL17B	ENST00000261796	chr5	149377025	YCCDS-CDS	0	1	0	--
PPAT-IGFBP7	chr4	56401330	chr4	56401330	PPAT	ENST00000264220	chr4	56401330	IGFBP7	ENST00000295666	chr4	56401330	YCCDS-CDS	0	1	0	--
PPAT-KIF16B	chr4	56435350	chr20	16528440	PPAT	ENST00000264220	chr4	56435350	KIF16B	ENST00000354981	chr20	16528440	YCCDS-CDS	0	0	1	In-frame
PPCCD-LMAN1L	chr15	75023626	chr15	74812950	PPCCD	ENST00000342932	chr15	75023626	LMAN1L	ENST00000309664	chr15	74812950	N.SUTR-CDS	0	0	1	In-frame
PPCCD-SCAMP2	chr15	75028453	chr15	74854649	PPCCD	ENST00000342932	chr15	75028453	SCAMP2	ENST00000268099	chr15	74854649	YCCDS-CDS	0	0	1	--
PPDF-GHD3	chr20	63521788	chr17	7901316	PPDF	ENST00000370179	chr20	63521788	GHD3	ENST00000330494	chr17	7901316	YCCDS-CDS	0	1	0	--
PPF1A-SHANK2	chr11	70272436	chr11	70698763	PPF1A	ENST00000253925	chr11	70272436	SHANK2	ENST00000428687	chr11	70698763	N.CDS-CDS	0	0	1	Out-of-frame
PPF1A-RBM14	chr11	70272436	chr11	66624214	PPF1A	ENST00000253925	chr11	70272436	RBM14	ENST00000310137	chr11	66624214	N.CDS-CDS	0	0	1	Out-of-frame
PPF1A-RHOD	chr11	70272436	chr11	67065896	PPF1A	ENST00000253925	chr11	70272436	RHOD	ENST00000308831	chr11	67065896	YCCDS-CDS	0	1	1	In-frame
PPF1A-RHOD	chr11	70272436	chr11	67065896	PPF1A	ENST00000253925	chr11	70272436	RHOD	ENST00000333360	chr11	67065896	N.CDS-3UTR-1X	0	1	1	In-frame
PPF1A-CDB2	chr11	70272436	chr11	44587475	PPF1A	ENST00000253925	chr11	70272436	CDB2	ENST00000227155	chr11	44587475	YCCDS-SUTR	0	1	1	In-frame
PPF1A-DYNC2H1	chr11	70272436	chr11	103113537	PPF1A	ENST00000253925	chr11	70272436	DYNC2H1	ENST00000334267	chr11	103113537	YCCDS-CDS	0	1	1	In-frame
PPF1A-ANO1	chr11	70272436	chr11	70151161	PPF1A	ENST00000253925	chr11	70272436	ANO1	ENST00000316296	chr11	70151161	YCCDS-CDS	0	1	1	In-frame
PPF1A-ALDH3B2	chr11	70272436	chr11	67867016	PPF1A	ENST00000253925	chr11	70272436	ALDH3B2	ENST00000349194	chr11	67867016	YCCDS-SUTR	0	1	1	In-frame
PPF1A-MARK2	chr11	70272436	chr11	63895159	PPF1A	ENST00000253925	chr11	70272436	MARK2	ENST00000350490	chr11	63895159	YCCDS-CDS	0	1	1	In-frame
PPF1A-GSTP1	chr11	70272436	chr11	67584685	PPF1A	ENST00000253925	chr11	70272436	GSTP1	ENST00000398603	chr11	67584685	YCCDS-CDS	0	1	0	--
PPF1A-GSTP1	chr11	70272436	chr11	67584685	PPF1A	ENST00000253925	chr11	70272436	GSTP1	ENST00000398606	chr11	67584685	YCCDS-CDS	0	1	0	--
PPF1A-ANO1	chr11	70272436	chr11	70087752	PPF1A	ENST00000253925	chr11	70272436	ANO1	ENST00000355303	chr11	70087752	YCCDS-CDS	0	1	1	In-frame
PPF1A-ARHGAP32	chr11	70272436	chr11	129093707	PPF1A	ENST00000253925	chr11	70272436	ARHGAP32	ENST00000310343	chr11	129093707	YCCDS-CDS	0	1	0	--
PPF1A-C11orf24	chr11	70272436	chr11	68262918	PPF1A	ENST00000253925	chr11	70272436	C11orf24	ENST00000304271	chr11	68262918	N.CDS-CDS	0	1	1	Out-of-frame
PPF1A-ANO1	chr11	70272436	chr11	70116458	PPF1A	ENST00000253925	chr11	70272436	ANO1	ENST00000316296	chr11	70116458	YCCDS-CDS	0	1	1	In-frame
PPF1A-RBFOX2	chr11	70272436	chr22	35768349	PPF1A	ENST00000253925	chr11	70272436	RBFOX2	ENST00000262829	chr22	35768349	YCCDS-CDS	0	1	0	--
PPF1A-XRRA1	chr11	70272436	chr11	74848462	PPF1A	ENST00000253925	chr11	70272436	XRRA1	ENST00000321448	chr11	74848462	YCCDS-CDS	0	1	0	--
PPF1A-ANO1	chr11	70272436	chr11	70170887	PPF1A	ENST00000253925	chr11	70272436	ANO1	ENST00000355303	chr11	70170887	N.CDS-CDS	0	0	1	Out-of-frame
PPF1A-SHANK2	chr11	70272436	chr11	70620682	PPF1A	ENST00000253925	chr11	70272436	SHANK2	ENST00000425049	chr11	70620682	N.CDS-CDS	0	0	1	Out-of-frame
PPF1A-SLC6A11	chr11	70272436	chr17	73031714	PPF1A	ENST00000253925	chr11	70272436	SLC6A11	ENST00000326811	chr17	73031714	YCCDS-CDS	0	1	1	In-frame
PPF1A-SRD5A3	chr11	70330319	chr4	55359346	PPF1A	ENST00000253925	chr11	70330319	SRD5A3	ENST00000264228	chr4	55359346	N.CDS-CDS-24X	0	0	1	Out-of-frame
PPF1A-SHANK2	chr11	70339306	chr11	71110049	PPF1A	ENST00000253925	chr11	70339306	SHANK2	ENST00000601538	chr11	71110049	YCCDS-CDS	0	0	1	In-frame
PPF1A-HSD3B2	chr11	70348420	chr11	119415331	PPF1A	ENST00000253925	chr11	70348420	HSD3B2	ENST00000369416	chr11	119415331	N.CDS-SUTR-55X	0	0	1	In-frame
PPF1A-INTS4	chr11	70358911	chr11	77883952	PPF1A	ENST00000253925	chr11	70358911	INTS4	ENST00000433818	chr11	77883952	N.CDS-SUTR-2X	0	0	1	In-frame
PPF1A-BBOX1	chr11	70356254	chr11	27115452	PPF1A	ENST00000253925	chr11	70356254	BBOX1	ENST00000263182	chr11	27115452	YCCDS-CDS	0	1	1	In-frame
PPF1A-TSK1	chr11	70356254	chr11	76795699	PPF1A	ENST00000253925	chr11	70356254	TSK1	ENST00000333909	chr11	76795699	N.CDS-SUTR-45X	0	0	1	In-frame
PPF1A-CBLB	chr11	70362488	chr3	105740631	PPF1A	ENST00000253925	chr11	70362488	CBLB	ENST00000264122	chr3	105740631	N.CDS-CDS-50X	0	0	1	Out-of-frame
PPF1A-MTL5	chr11	70362488	chr11	68738788	PPF1A	ENST00000253925	chr11	70362488	MTL5	ENST00000255087	chr11	68738788	YCCDS-CDS	0	1	1	In-frame
PPF1A-NADSYN1	chr11	70362488	chr11	71497483	PPF1A	ENST00000253925	chr11	70362488	NADSYN1	ENST00000319023	chr11	71497483	YCCDS-CDS	0	1	1	In-frame
PPF1A-LRPS	chr11	70376600	chr11	68411436	PPF1A	ENST00000253925	chr11	70376600	LRPS	ENST00000294304	chr11	68411436	N.CDS-CDS-60X	0	0	1	Out-of-frame
PPF1A-MSA45	chr11	70376600	chr11	60447649	PPF1A	ENST00000253925	chr11	70376600	MSA45	ENST00000300190	chr11	60447649	YCCDS-CDS	0	1	1	In-frame
PPF1A-KCNMB4	chr12	81325777	chr12	81325777	PPF1A2	ENST00000541570	chr12	81325777	KCNMB4	ENST00000258111	chr12	81325777	YCCDS-CDS	0	1	1	In-frame
PPF1A-SLC6A11	chr12	81325777	chr12	81022383	PPF1A2	ENST00000541570	chr12	81022383	SLC6A11	ENST00000258111	chr12	81022383	N.CDS-SUTR	0	1	1	In-frame
PPF1A-ACSS3	chr12	81353119	chr12	81253307	PPF1A2	ENST00000334477	chr12	81353119	ACSS3	ENST00000261206	chr12	81253307	N.CDS-CDS	0	0	1	Out-of-frame
PPF1A2-GRIP1	chr12	81676791	chr12	66432628	PPF1A2	ENST00000547273	chr12	81676791	GRIP1	ENST00000359742	chr12	66432628	N.SUTR-CDS-6X	0	0	1	Out-of-frame
PPF1A2-DPY19L2	chr12	81676791	chr12	63506662	PPF1A2	ENST00000547273	chr12	81676791	DPY19L2	ENST00000324472	chr12	63506662	N.SUTR-CDS	0	1	1	Out-of-frame
PPF1A2-DPY19L2	chr12	81676791	chr12	63506662	PPF1A2	ENST00000545866	chr12	81676791	DPY19L2	ENST00000324472	chr12	63506662	N.CDS-CDS-6X	0	1	1	Out-of-frame
PPF1A-MGAT4C	chr12	81753973	chr12	86334127	PPF1A2	ENST00000547623	chr12	81753973	MGAT4C	ENST00000551921	chr12	86334127	N.CDS-SUTR-7X	0	0	1	In-frame
PPF1A-C7orf40	chr12	81753973	chr12	80269627	PPF1A2	ENST00000545866	chr12	81753973	C7orf40	ENST00000545866	chr12	80269627	YCCDS-CDS	0	1	0	--
PPF1A2-RHOD	chr12	81753973	chr12	72377955	PPF1A2	ENST00000545866	chr12	81753973	RHOD	ENST00000261180	chr12	72377955	YCCDS-CDS	0	1	1	In-frame
PPF1A3-IZUMO1	chr19	48745288	chr19	48745288	PPF1A3	ENST00000334186	chr19	48745288	IZUMO1	ENST00000332955	chr19	48745288	N.SUTR-CDS	0	0	1	Out-of-frame
PPF1A3-ANK1	chr19	49119722	chr8	41758137	PPF1A3	ENST00000334186	chr19	49119722	ANK1	ENST00000265709	chr8	41758137	N.SUTR-CDS	0	0	1	Out-of-frame
PPF1B1-WNT7A	chr12	27524365	chr3	13819423	PPF1B1	ENST00000228425	chr12	27524365	WNT7A	ENST00000285018	chr3	13819423	N.SUTR-CDS	0	0	1	Out-of-frame
PPF1B1-TSPAN11	chr12	27524365	chr12	30953981	PPF1B1	ENST00000228425	chr12	27524365	TSPAN11	ENST00000261177	chr12	30953981	N.SUTR-SUTR	0	0	1	Out-of-frame
PPF1B1-CACNA1C	chr12	27524365	chr12	2581590	PPF1B1	ENST00000228425	chr12	27524365	CACNA1C	ENST00000327702	chr12	2581590	N.SUTR-CDS	0	0	1	Out-of-frame
PPF1B1-SLC6A11	chr12	27524365	chr12	21141512	PPF1B1	ENST00000228425	chr12	27524365	SLC6A11	ENST00000296668	chr12	21141512	N.SUTR-SUTR	0	0	1	Out-of-frame
PPF1B1-ADIPOR2	chr12	27524365	chr12	17728429	PPF1B1	ENST00000228425	chr12	27524365	ADIPOR2	ENST00000357103	chr12	17728429	N.SUTR-CDS	0	0	1	Out-of-frame
PPF1B1-PDILT	chr12	27524365	chr16	20369689	PPF1B1	ENST00000228425	chr12	27524365	PDILT	ENST00000302451	chr16	20369689	N.SUTR-CDS	0	0	1	Out-of-frame
PPHLN1-KIAA0355	chr12	42238661	chr19	34296979	PPHLN1	ENST00000549190	chr12	42238661	KIAA0355	ENST00000295055	chr19	34296979	N.CDS-SUTR-10X	0	0	1	Out-of-frame
PPHLN1-TIMELESS	chr12	42393689	chr12	56425152	PPHLN1	ENST00000256678	chr12	42393689	TIMELESS	ENST00000229201	chr12	56425152	YCCDS-CDS	0	1	1	In-frame
PPHLN1-TCB1D15	chr12	42393689	chr12	71872070	PPHLN1	ENST00000256678	chr12	42393689	TCB1D15	ENST00000319106	chr12	71872070	YCCDS-CDS	0	1	0	--
PPF1-REEP3	chr10	79347743	chr10	63594778	PPF1	ENST00000223714	chr10	79347743	REEP3	ENST00000373758	chr10	63594778	YCCDS-CDS	0	1	1	In-frame
PPF1-TRIM1	chr2	16958440	chr2	100636011	PPF1	ENST00000260970	chr2	16958440	TRIM1	ENST00000300383	chr2	100636011	N.CDS-CDS-2X	0	0	1	Out-of-frame
PPF1-SCN9A	chr2	16958440	chr2	36499219	PPF1	ENST00000260970	chr2	16958440	SCN9A	ENST00000280527	chr2	36499219	N.SUTR-CDS	0	0	1	Out-of-frame
PPF1-SCN9A	chr2	16958440	chr2	166307074	PPF1	ENST00000414307	chr2	16958440	SCN9A	ENST00000303354	chr2	166307074	N.SUTR-CDS	0	0	1	NA
PPF1-FAM117B	chr2	169633247	chr2	202724917	PPF1	ENST00000260970	chr2	169633247	FAM117B	ENST00000392238	chr2	202724917	YCCDS-CDS	0	1	1	In-frame
PPH-CDC30	chr1	42681440	chr1	42681440	PPH	ENST00000304979	chr1	42681440	CDC30	ENST00000304612	chr1	42681					

PRMT1-TLE6	chr19	49677316 +	2980100 +	PRMT1	ENST00000454376	chr19	49677316 +	TLE6	ENST00000246112	chr19	49677316 +	YCCDS-CDS	0	1	0	--	
PRMT1-PTOV1	chr19	49680588 +	49680588 +	PRMT1	ENST00000532489	chr19	49680588 +	PTOV1	ENST00000606003	chr19	49680588 +	YCCDS-CDS	0	1	0	--	
PRMT1-PTOV1	chr19	49680588 +	49680588 +	PRMT1	ENST00000532489	chr19	49680588 +	PTOV1	ENST00000606003	chr19	49680588 +	YCCDS-CDS	0	1	0	--	
PRMT1-PTOV1	chr19	49680588 +	49680588 +	PRMT1	ENST00000391851	chr19	49680588 +	PTOV1	ENST00000391842	chr19	49680588 +	YCCDS-CDS	0	1	0	--	
PRMT1-PTOV1	chr19	49680588 +	49680588 +	PRMT1	ENST00000454376	chr19	49680588 +	PTOV1	ENST00000606003	chr19	49680588 +	YCCDS-CDS	0	1	0	--	
PRMT1-PTOV1	chr19	49680588 +	49680588 +	PRMT1	ENST00000454376	chr19	49680588 +	PTOV1	ENST00000391842	chr19	49680588 +	YCCDS-CDS	0	1	0	--	
PRMT2-STX18	chr21	46648619 +	4471706 +	PRMT2	ENST00000291705	chr21	46648619 +	STX18	ENST00000306200	chr21	4471706 +	YCCDS-CDS	0	1	1	3	In-frame
PRMT2-WR8	chr21	46648739 +	39390698 +	PRMT2	ENST00000291705	chr21	46648739 +	WR8	ENST00000333781	chr21	39390698 +	YCCDS-CDS	0	1	1	1	In-frame
PRMT2-CAPDH	chr21	46651872 +	6536540 +	PRMT2	ENST00000430086	chr21	46651872 +	CAPDH	ENST00000229239	chr21	6536540 +	N.CDS-CDS	0	1	0	--	
PRMT2-CAPDH	chr21	46661872 +	6536540 +	PRMT2	ENST00000355680	chr21	46661872 +	CAPDH	ENST00000229239	chr21	6536540 +	N.CDS-CDS.12X	0	1	0	--	
PRMT7-EXOC4	chr16	68355999 +	68226350 +	PRMT7	ENST00000339507	chr16	68355999 +	EXOC4	ENST00000253861	chr16	68226350 +	YCCDS-CDS	0	1	1	1	In-frame
PRMT7-NFATC3	chr16	68355999 +	68226350 +	PRMT7	ENST00000339507	chr16	68355999 +	NFATC3	ENST00000329524	chr16	68226350 +	N.CDS-3UTR	0	0	1	1	Out-of-frame
PROSC-ZNF622	chr8	37766355 +	37766355 +	PROSC	ENST00000328195	chr8	37766355 +	ZNF622	ENST00000308683	chr8	37766355 +	YCCDS-CDS	0	1	0	--	
PROSC-CHMP1A	chr8	37766355 +	89647331 +	PROSC	ENST00000328195	chr8	37766355 +	CHMP1A	ENST00000397901	chr8	89647331 +	N.CDS-CDS.2X	0	1	1	1	Out-of-frame
PROSC-CDHD2	chr8	37766355 +	37766355 +	PROSC	ENST00000328195	chr8	37766355 +	CDHD2	ENST00000397166	chr8	37766355 +	YCCDS-CDS	0	1	0	--	
PRPF18-CDC3	chr10	13587152 +	12898679 +	PRPF18	ENST00000378572	chr10	13587152 +	CDC3	ENST00000378839	chr10	12898679 +	YCCDS-CDS	0	1	1	3	In-frame
PRPF18-CDC3	chr10	13587152 +	12898679 +	PRPF18	ENST00000320054	chr10	13587152 +	CDC3	ENST00000378825	chr10	12898679 +	N.UTR-CDS	0	1	1	3	In-frame
PRPF18-CACNB2	chr10	13605744 +	18150883 +	PRPF18	ENST00000378572	chr10	13605744 +	CACNB2	ENST00000282343	chr10	18150883 +	YCCDS-CDS	0	1	0	--	
PRPF19-NLRP14	chr11	60900582 +	7038566 +	PRPF19	ENST00000227524	chr11	60900582 +	NLRP14	ENST00000299481	chr11	7038566 +	YCCDS-SUTR	0	0	1	1	CDS-SUTR
PRPF19-DOB1	chr11	60900582 +	61324137 +	PRPF19	ENST00000227524	chr11	60900582 +	DOB1	ENST00000310764	chr11	61324137 +	YCCDS-CDS	0	1	1	1	In-frame
PRPF3-CTSS	chr1	150321592 +	150757980 +	PRPF3	ENST00000324862	chr1	150321592 +	CTSS	ENST00000368985	chr1	150757980 +	N.UTR-CDS	0	0	1	1	SUTR-CDS
PRPF3-CTSS	chr1	150321592 +	150757980 +	PRPF3	ENST00000324862	chr1	150321592 +	CTSS	ENST00000368985	chr1	150757980 +	N.UTR-CDS	0	0	1	1	SUTR-CDS
PRPF31-CANCG7	chr19	53942036 +	53942036 +	PRPF31	ENST00000321030	chr19	53942036 +	CANCG7	ENST00000222212	chr19	53942036 +	N.CDS-CDS.3X	0	0	1	1	In-frame
PRPF31-SPRYD4	chr19	54126617 +	54126617 +	PRPF31	ENST00000321030	chr19	54126617 +	SPRYD4	ENST00000338146	chr19	54126617 +	N.CDS-CDS.10X	0	0	1	1	Out-of-frame
PRPF31-ZNF547	chr19	54126617 +	54126617 +	PRPF31	ENST00000321030	chr19	54126617 +	ZNF547	ENST00000282282	chr19	54126617 +	YCCDS-SUTR	0	0	1	2	CDS-SUTR
PRPF38A-ABCD3	chr1	94458607 +	94458607 +	PRPF38A	ENST00000257181	chr1	94458607 +	ABCD3	ENST00000315713	chr1	94458607 +	YCCDS-CDS	0	1	1	2	In-frame
PRPF38A-CDNF	chr1	94458607 +	14822872 +	PRPF38A	ENST00000257181	chr1	94458607 +	CDNF	ENST00000378441	chr1	14822872 +	N.CDS-SUTR	0	0	1	1	CDS-SUTR
PRPF40B-CDH4	chr12	49587273 +	61873728 +	PRPF40B	ENST00000457764	chr12	49587273 +	CDH4	ENST00000545233	chr12	61873728 +	N.UTR-CDS.1X	0	0	1	1	NA
PRPF40B-FAM50B	chr12	49587273 +	3849789 +	PRPF40B	ENST00000457764	chr12	49587273 +	FAM50B	ENST00000368470	chr12	3849789 +	N.CDS-SUTR	0	0	1	1	In-frame
PRPF40B-F13A1	chr6	4021466 +	4021466 +	PRPF40B	ENST00000337659	chr6	4021466 +	F13A1	ENST00000264870	chr6	4021466 +	YCCDS-CDS	0	1	1	1	In-frame
PRPF6-SDC4	chr20	63995092 +	63995092 +	PRPF6	ENST00000266079	chr20	63995092 +	SDC4	ENST00000372733	chr20	63995092 +	YCCDS-CDS	0	1	1	1	In-frame
PRPF6-DNAJC5	chr20	63995092 +	63995092 +	PRPF6	ENST00000266079	chr20	63995092 +	DNAJC5	ENST00000360864	chr20	63995092 +	YCCDS-CDS	0	0	1	1	In-frame
PRPF6-GATA5	chr20	63995092 +	62466551 +	PRPF6	ENST00000266079	chr20	63995092 +	GATA5	ENST00000252997	chr20	62466551 +	YCCDS-CDS	0	1	0	--	
PRPF6-STAT6	chr20	64033096 +	57102990 +	PRPF6	ENST00000266079	chr20	64033096 +	STAT6	ENST00000553753	chr20	57102990 +	N.UTR-SUTR.1X	0	0	1	3	NA
PRPF9-ARHGAP3	chr17	18827334 +	57258584 +	PRPF9	ENST00000268834	chr17	18827334 +	ARHGAP3	ENST00000338399	chr17	57258584 +	N.CDS-CDS	0	1	1	1	Out-of-frame
PRPSAP2-EEDP1	chr17	18827334 +	36281115 +	PRPSAP2	ENST00000268834	chr17	18827334 +	EEDP1	ENST00000242108	chr17	36281115 +	N.CDS-CDS.1X	0	0	1	1	Out-of-frame
PRR11-SUZ12	chr17	31988320 +	31988320 +	PRR11	ENST00000262293	chr17	31988320 +	SUZ12	ENST00000322652	chr17	31988320 +	YCCDS-CDS	0	1	1	1	In-frame
PRR12-FLT3L3	chr19	49480298 +	49480298 +	PRR12	ENST00000418929	chr19	49480298 +	FLT3L3	ENST00000204637	chr19	49480298 +	N.CDS-CDS.31X	0	0	1	1	Out-of-frame
PRR12-SNRNP70	chr19	49601918 +	49601918 +	PRR12	ENST00000418929	chr19	49601918 +	SNRNP70	ENST00000212448	chr19	49601918 +	YCCDS-CDS	0	1	0	--	
PRR12-SYMPK	chr19	49616219 +	49616219 +	PRR12	ENST00000418929	chr19	49616219 +	SYMPK	ENST00000245934	chr19	49616219 +	N.CDS-SUTR.18X	0	0	1	1	CDS-SUTR
PRR12-PRRG2	chr19	49628222 +	49628222 +	PRR12	ENST00000418929	chr19	49628222 +	PRRG2	ENST00000246794	chr19	49628222 +	N.CDS-CDS.48X	0	0	2	1	Out-of-frame
PRR12-CEP350	chr19	49628222 +	49628222 +	PRR12	ENST00000418929	chr19	49628222 +	CEP350	ENST00000246794	chr19	49628222 +	N.CDS-SUTR.1X	0	0	1	1	Out-of-frame
PRR13-VIM	chr10	17235364 +	17235364 +	PRR13	ENST00000242243	chr10	17235364 +	VIM	ENST00000224237	chr10	17235364 +	N.CDS-CDS.4X	0	1	0	--	
PRR13-RPL8	chr8	144792389 +	144792389 +	PRR13	ENST00000379786	chr8	144792389 +	RPL8	ENST00000529163	chr8	144792389 +	N.CDS-SUTR	0	1	0	--	
PRR13-RPL8	chr8	144792389 +	144792389 +	PRR13	ENST00000379786	chr8	144792389 +	RPL8	ENST00000394920	chr8	144792389 +	YCCDS-SUTR.2X	0	1	0	--	
PRR14-GSGL1	chr16	30655593 +	27963203 +	PRR14	ENST00000287463	chr16	30655593 +	GSGL1	ENST00000395724	chr16	27963203 +	N.UTR-CDS.11X	0	0	1	2	CDS-SUTR
PRR14-CC2D1A	chr22	31738387 +	31923333 +	PRR14	ENST00000374223	chr22	31738387 +	CC2D1A	ENST00000318003	chr22	31923333 +	YCCDS-CDS	0	1	0	--	
PRR15-CBX1	chr17	47957657 +	47957657 +	PRR15	ENST00000300557	chr17	47957657 +	CBX1	ENST00000338399	chr17	47957657 +	N.UTR-CDS	0	1	1	1	SUTR-CDS
PRR15-KCNH4	chr17	47957657 +	42157118 +	PRR15	ENST00000300557	chr17	47957657 +	KCNH4	ENST00000264661	chr17	42157118 +	N.UTR-SUTR	0	0	1	1	SUTR-SUTR
PRR15-RAB5C	chr17	47957657 +	42157118 +	PRR15	ENST00000300557	chr17	47957657 +	RAB5C	ENST00000346213	chr17	42157118 +	N.UTR-SUTR.1X	0	0	1	1	SUTR-SUTR
PRR16-SCAMP1	chr5	12046465 +	78415520 +	PRR16	ENST00000407149	chr5	12046465 +	SCAMP1	ENST00000510030	chr5	78415520 +	N.CDS-SUTR	0	1	0	--	
PRR4-ULK1	chr12	10848372 +	131919326 +	PRR4	ENST00000228811	chr12	10848372 +	ULK1	ENST00000321867	chr12	131919326 +	N.CDS-CDS.1X	0	1	0	--	
PRRS-CSNK1E	chr22	38336706 +	44714871 +	PRRS	ENST00000006251	chr22	38336706 +	CSNK1E	ENST00000399867	chr22	38336706 +	N.CDS-ND	0	0	1	2	CDS-SUTR
PRRS-ARHGAP3XR	chr22	41658252 +	41658252 +	PRRS	ENST00000006251	chr22	41658252 +	ARHGAP3XR	ENST00000376718	chr22	41658252 +	N.CDS-CDS	0	1	1	1	Out-of-frame
PRRS-ITPA	chr20	3221841 +	3221841 +	PRRS	ENST00000378867	chr20	3221841 +	ITPA	ENST00000380113	chr20	3221841 +	N.CDS-ND	0	1	0	--	
PRRS-TRIM44	chr11	35725924 +	35725924 +	PRRS	ENST00000378867	chr11	35725924 +	TRIM44	ENST00000299413	chr11	35725924 +	N.CDS-CDS	0	0	1	1	Out-of-frame
PRRC1-SPINK6	chr5	127517776 +	127517776 +	PRRC1	ENST00000296666	chr5	127517776 +	SPINK6	ENST00000325630	chr5	127517776 +	N.UTR-CDS	0	0	1	1	SUTR-CDS
PRRC1-NCALD	chr5	12755081 +	101801670 +	PRRC1	ENST00000296666	chr5	12755081 +	NCALD	ENST00000220931	chr5	101801670 +	N.UTR-ND.9X	0	0	1	3	3UTR-SUTR
PRRC2A-COL1A1	chr6	31635174 +	31635174 +	PRRC2A	ENST00000376007	chr6	31635174 +	COL1A1	ENST00000229564	chr6	31635174 +	YCCDS-CDS	0	1	0	--	
PRRC2B-UHRF2	chr9	131394263 +	6475391 +	PRRC2B	ENST00000405995	chr9	131394263 +	UHRF2	ENST00000278993	chr9	6475391 +	N.UTR-CDS	0	0	1	1	SUTR-CDS
PRRC2B-CELSR3	chr10	45989192 +	115239112 +	PRRC2B	ENST00000405995	chr10	45989192 +	CELSR3	ENST00000242133	chr10	115239112 +	N.CDS-CDS.3X	0	0	1	1	In-frame
PRRG1-TSPAN7	chrX	38866121 +	38866121 +	PRRG1	ENST00000378628	chrX	38866121 +	TSPAN7	ENST00000268824	chrX	38866121 +	YCCDS-CDS	0	2	0	--	
PRRG2-AGPAT2	chr19	49583304 +	49583304 +	PRRG2	ENST00000246794	chr19	49583304 +	AGPAT2	ENST00000371694	chr19	49583304 +	N.CDS-CDS	0	0	1	1	Out-of-frame
PRRG2-CCDC155	chr19	49583717 +	49583717 +	PRRG2	ENST00000246794	chr19	49583717 +	CCDC155	ENST00000447857	chr19	49583717 +	YCCDS-CDS	0	1	1	1	In-frame
PRRG2-FCGRT	chr19	49583952 +	49583952 +	PRRG2	ENST00000246794	chr19	49583952 +	FCGRT	ENST00000221466	chr19	49583952 +	YCCDS-CDS	0	0	1	1	In-frame
PR																	

PTGDS-EA1	chr9	136981741	chr9	136981741	ENST00000323249	chr12	92835427	N.3UTR-ND4X	0	0	1	1	chr3	NA	
PTGDS2-MLXP	chr9	128122362	chr12	122141691	MLXP	ENST00000358686	chr12	122141691	N.CDS-CDS2X	0	1	1	1	chr1	Out-of-frame
PTGDS2-ND10A	chr9	128122362	chr9	128122362	ND10A	ENST00000327439	chr9	128122362	Y.CDS-ND10A	0	0	1	1	chr1	In-frame
PTGES2-CIZ1	chr9	128122362	chr9	128122362	CIZ1	ENST00000277465	chr9	128122362	N.5UTR-CDS	0	0	1	2	chr2	5UTR-CDS
PTGES3-NACA	chr12	56714687	chr12	56714687	NACA	ENST00000356769	chr12	56714687	N.CDS-CDS	0	0	2	1	chr1	5UTR-CDS
PTGES3-SPATS2	chr12	49514555	chr12	49514555	SPATS2	ENST00000321898	chr12	49514555	N.CDS-CDS	0	0	1	4	chr2	5UTR-CDS
PTGFRN-NOTCH2	chr1	116949572	chr1	116949572	NOTCH2	ENST00000256646	chr1	116949572	Y.CDS-CDS	0	1	0	0	0	0
PTGFRN-AGBL4	chr1	49697437	chr1	49697437	AGBL4	ENST00000371836	chr1	49697437	Y.CDS-CDS	0	0	1	1	chr1	In-frame
PTGFRN-CD2	chr1	116754631	chr1	116754631	CD2	ENST00000369477	chr1	116754631	Y.CDS-CDS	0	1	1	1	chr1	In-frame
PTGS-FT52	chr20	43604183	chr20	43604183	FT52	ENST00000373030	chr20	43604183	Y.CDS-CDS	0	1	1	1	chr1	In-frame
PTGR1-C9orf84	chr9	111592926	chr9	111592926	C9orf84	ENST00000318737	chr9	111592926	N.CDS-CDS-7X	0	0	1	1	chr1	Out-of-frame
PTGR1-PTBP3	chr9	111597317	chr9	111597317	PTBP3	ENST00000458258	chr9	111597317	N.CDS-CDS	0	1	0	0	0	0
PTGR1-PTBP3	chr9	111597317	chr9	111597317	PTBP3	ENST00000334318	chr9	111597317	N.CDS-CDS	0	1	0	0	0	0
PTGR1-PTBP3	chr9	111597317	chr9	111597317	PTBP3	ENST00000458258	chr9	111597317	N.CDS-CDS	0	1	0	0	0	0
PTGR1-PTBP3	chr9	111597317	chr9	111597317	PTBP3	ENST00000334318	chr9	111597317	N.CDS-CDS	0	1	0	0	0	0
PTK2-RNF139	chr8	140686532	chr8	140686532	RNF139	ENST00000303545	chr8	140686532	N.CDS-CDS	0	1	1	1	chr1	Out-of-frame
PTK2-MKLN1	chr8	140735251	chr8	140735251	MKLN1	ENST00000421797	chr8	140735251	N.CDS-CDS-46X	0	0	1	1	chr1	Out-of-frame
PTK2-VPS13B	chr8	140743230	chr8	140743230	VPS13B	ENST00000351762	chr8	140743230	Y.CDS-CDS	0	0	1	1	chr1	In-frame
PTK2-PPP2R5E	chr14	140890543	chr14	140890543	PPP2R5E	ENST00000337537	chr14	140890543	N.CDS-CDS	0	1	1	1	chr1	Out-of-frame
PTK2-TRAPP9C	chr8	140925661	chr8	140925661	TRAPP9C	ENST00000389328	chr8	140925661	N.5UTR-CDS-1X	0	0	1	1	chr1	5UTR-CDS
PTK2-CACNG8	chr8	141000880	chr8	141000880	CACNG8	ENST00000270458	chr8	141000880	N.5UTR-CDS	0	1	1	2	chr1	NA
PTK2-ANKRD11	chr8	141001125	chr16	89418368	ANKRD11	ENST00000301030	chr16	89418368	N.5UTR-SUTR	0	0	1	1	chr1	5UTR-SUTR
PTK2-TRAPP9C	chr8	141001125	chr8	141001125	TRAPP9C	ENST00000389328	chr8	141001125	N.5UTR-CDS	0	0	1	1	chr3	5UTR-CDS
PTK2-UBE2H	chr8	141001125	chr7	129839335	UBE2H	ENST00000355621	chr7	129839335	N.5UTR-CDS	0	0	1	4	chr2	5UTR-CDS
PTK2-TRAPP9C	chr8	141001125	chr8	141001125	TRAPP9C	ENST00000389328	chr8	141001125	N.5UTR-CDS-1X	0	0	1	1	chr1	5UTR-CDS
PTK2-UGT2A3	chr8	141001125	chr4	68932759	UGT2A3	ENST00000251566	chr4	68932759	N.5UTR-CDS	0	0	1	1	chr1	5UTR-CDS
PTK2-SLC45A4	chr8	141001125	chr8	141221765	SLC45A4	ENST00000204061	chr8	141221765	N.5UTR-CDS	0	0	1	4	chr2	5UTR-CDS
PTK2-DENND3	chr8	141136509	chr8	141136509	DENND3	ENST00000518347	chr8	141136509	N.5UTR-CDS	0	0	1	1	chr1	5UTR-CDS
PTK2B-SLC5A1	chr8	27325681	chr22	32066935	SLC5A1	ENST00000260868	chr22	32066935	N.5UTR-CDS	0	0	1	3	chr1	5UTR-CDS
PTK2B-SLC5A1	chr8	27325681	chr22	32066935	SLC5A1	ENST00000260868	chr22	32066935	N.5UTR-CDS	0	0	1	3	chr1	5UTR-CDS
PTK7-ANKS1A	chr6	43067239	chr6	43067239	ANKS1A	ENST00000360359	chr6	43067239	N.CDS-CDS	0	1	1	1	chr1	Out-of-frame
PTK7-DLK2	chr6	43076567	chr6	43076567	DLK2	ENST00000372485	chr6	43076567	Y.CDS-CDS	0	1	1	1	chr1	In-frame
PTK7-DLK2	chr6	43076567	chr6	43076567	DLK2	ENST00000357338	chr6	43076567	Y.CDS-CDS	0	1	1	1	chr1	In-frame
PTK7-CNOT2	chr6	43076567	chr12	70353829	CNOT2	ENST00000229195	chr12	70353829	N.CDS-CDS-1X	0	0	1	1	chr1	Out-of-frame
PTK7-GNMT	chr6	43076567	chr6	43076567	GNMT	ENST00000372808	chr6	43076567	N.CDS-CDS	0	0	1	1	chr1	Out-of-frame
PTK7-SRF	chr6	43076567	chr6	43076567	SRF	ENST00000265354	chr6	43076567	Y.CDS-CDS	0	0	1	1	chr1	In-frame
PTK7-DENND4A	chr6	43076567	chr15	65761438	DENND4A	ENST00000431932	chr15	65761438	N.CDS-SUTR	0	0	1	1	chr2	CDS-SUTR
PTK7-PTCRA	chr6	43146698	chr6	43146698	PTCRA	ENST00000304672	chr6	43146698	N.3UTR-CDS-18X	0	0	1	1	chr4	CDS-SUTR
PTMA-ZNF236	chr2	231711941	chr18	76915805	ZNF236	ENST00000253159	chr18	76915805	N.CDS-CDS	0	1	0	0	0	0
PTMA-ZNF236	chr2	231711941	chr18	76915805	ZNF236	ENST00000253159	chr18	76915805	N.CDS-CDS	0	1	0	0	0	0
PTMA-ZNF236	chr2	231711941	chr18	76915805	ZNF236	ENST00000253159	chr18	76915805	N.CDS-CDS	0	1	0	0	0	0
PTMS-SUP16H	chr12	67109432	chr12	67109432	SUP16H	ENST00000162629	chr12	67109432	Y.3UTR-ND3X	0	0	1	1	chr3	3UTR-CDS
PTMS-SUP16H	chr12	67109432	chr12	67109432	SUP16H	ENST00000162629	chr12	67109432	N.CDS-CDS-11X	0	0	1	1	chr4	NA
PTOV1-CA10	chr19	48585653	chr17	51747818	CA10	ENST00000285273	chr17	51747818	Y.CDS-CDS	0	0	1	1	chr1	Out-of-frame
PTPA41-EYS	chr6	63576985	chr6	63576985	EYS	ENST00000370621	chr6	63576985	N.CDS-CDS	0	0	1	0	0	0
PTPA42-ARFGEP2	chr1	31937987	chr20	49028530	ARFGEP2	ENST00000371917	chr20	49028530	N.5UTR-CDS	0	0	1	1	chr1	5UTR-CDS
PTPLAD1-URM1	chr15	65558731	chr15	65558731	URM1	ENST00000372853	chr15	65558731	Y.CDS-CDS	0	1	1	1	chr1	In-frame
PTPLAD1-URM1	chr15	65558731	chr15	65558731	URM1	ENST00000452446	chr15	65558731	Y.CDS-CDS	0	1	1	1	chr1	In-frame
PTPLAD1-URM1	chr15	65558731	chr15	65558731	URM1	ENST00000372847	chr15	65558731	N.CDS-CDS-4X	0	1	1	1	chr1	In-frame
PTPLAD1-URM1	chr15	65558731	chr15	65558731	URM1	ENST00000372847	chr15	65558731	N.CDS-CDS	0	1	1	1	chr1	In-frame
PTPLAD1-URM1	chr15	65558731	chr15	65558731	URM1	ENST00000452446	chr15	65558731	Y.CDS-CDS	0	1	1	1	chr1	In-frame
PTPLAD1-URM1	chr15	65558731	chr15	65558731	URM1	ENST00000372847	chr15	65558731	N.CDS-CDS-7X	0	1	1	1	chr1	In-frame
PTPN1-BCAS4	chr20	50510590	chr20	50510590	BCAS4	ENST00000358791	chr20	50510590	Y.CDS-CDS	0	1	0	0	0	0
PTPN1-P2RX4	chr20	50510590	chr20	50510590	P2RX4	ENST00000314442	chr20	50510590	N.CDS-3UTR	0	0	1	1	chr1	Out-of-frame
PTPN1-P2RX4	chr20	50510590	chr20	50510590	P2RX4	ENST00000314442	chr20	50510590	N.CDS-3UTR-10X	0	0	1	1	chr2	CDS-SUTR
PTPN1-P2RX4	chr20	50510590	chr20	50510590	P2RX4	ENST00000314442	chr20	50510590	N.CDS-CDS	0	1	0	0	0	0
PTPN1-ROD1	chr20	50574654	chr20	50574654	ROD1	ENST00000374077	chr20	50574654	Y.CDS-CDS	0	1	0	0	0	0
PTPN1-ROD1	chr20	50574654	chr20	50574654	ROD1	ENST00000374077	chr20	50574654	Y.CDS-CDS	0	1	0	0	0	0
PTPN1-ROD1	chr20	50574654	chr20	50574654	ROD1	ENST00000374077	chr20	50574654	Y.CDS-CDS	0	1	0	0	0	0
PTPN1-PLAGL1	chr12	112419125	chr12	112419125	PLAGL1	ENST00000354765	chr12	112419125	N.CDS-SUTR-6X	0	0	1	1	chr1	In-frame
PTPN1-EPYC	chr12	112456063	chr12	112456063	EPYC	ENST00000261172	chr12	112456063	Y.CDS-CDS	0	1	1	1	chr1	In-frame
PTPN1-CUX2	chr12	112473040	chr12	112473040	CUX2	ENST00000261726	chr12	112473040	Y.CDS-CDS	0	1	1	1	chr4	In-frame
PTPN12-DYNC11	chr7	77537645	chr7	77537645	DYNC11	ENST00000324972	chr7	77537645	Y.CDS-CDS	0	1	1	1	chr1	In-frame
PTPN12-DYNC11	chr7	77537645	chr7	77537645	DYNC11	ENST00000324972	chr7	77537645	N.CDS-SUTR-2X	0	0	1	1	chr1	CDS-SUTR
PTPN13-MARK10	chr4	86594789	chr4	86594789	MARK10	ENST00000310816	chr4	86594789	N.5UTR-SUTR	0	0	1	1	chr1	In-frame
PTPN13-AFF1	chr4	87084120	chr4	87084120	AFF1	ENST00000370808	chr4	87084120	Y.CDS-CDS	0	1	0	0	0	0
PTPN14-ANKRD44	chr1	214364512	chr1	214364512	ANKRD44	ENST00000424317	chr1	214364512	N.CDS-CDS-38X	0	0	1	1	chr1	NA
PTPN14-NSL1	chr1	214451805	chr1	214451805	NSL1	ENST00000366977	chr1	214451805	N.CDS-CDS-1X	0	0	1	1	chr1	Out-of-frame
PTPN2-L3MBTL4	chr18	5969562	chr18	5969562	L3MBTL4	ENST00000371931	chr18	5969562	N.CDS-CDS-19X	0	0	1	1	chr1	Out-of-frame
PTPN2-L3MBTL4	chr18	5969562	chr18	5969562	L3MBTL4	ENST00000371931	chr18	5969562	N.CDS-CDS-19X	0	0	1	1	chr1	Out-of-frame
PTPN21-EMLS	chr14	88496413	chr14	88496413	EMLS	ENST00000380664	chr14	88496413	Y.CDS-CDS	0	1	0	2	chr2	Out-of-frame
PTPN21-TTC8	chr14	88502328	chr14	88502328	TTC8	ENST00000345383	chr14	88502328	Y.CDS-CDS	0	1	1	1	chr1	In-frame
PTPN23-ICAIL	chr3	47381180	chr3	47381180	ICAIL	ENST00000358299	chr3	47381180	N.CDS-CDS	0	0	1	1	chr1	Out-of-frame
PTPN23-ISY1	chr3	47381180	chr3	47381180	ISY1	ENST00000392525	chr3	47381180	Y.CDS-CDS	0	1	1	1	chr1	In-frame
PTPN23-KLHL18	chr3	47329951	chr3	47329951	KLHL18	ENST00000232766	chr3	47329951	N.CDS-CDS	0	0	1	1	chr1	Out-of-frame
PTPN23-STAT4	chr3	47381180	chr3	47381180	STAT4	ENST00000358470	chr3	47381180	Y.CDS-CDS	0	1	0	0	0	0
PTPN23-CLC1A	chr3	47396217	chr3	47396217	CLC1A	ENST00000310996	chr3	47396217	N.CDS-SUTR-3X	0	0	1	1	chr1	NA
PTPN23-KLHL18	chr3	47396217	chr3	47396217	KLHL18	ENST00000232766	chr3	47396217	Y.CDS-CDS	0	1	1	1	chr4	In-frame
PTPN23-RTP3	chr3	47396217	chr3	47396217	RTP3	ENST00000296142	chr3	47396217	N.CDS-CDS-1X	0	0	1	1	chr1	Out-of-frame
PTPN3-ASTN2	chr9	109445240	chr9	109445240	ASTN2	ENST00000313400	chr9	109445240	Y.CDS-CDS	0					

RAB3P-BEST3	chr12	69784815 +	chr12	69784815 +	RAB3P	ENST00000247833	chr12	69784815 +	BEST3	ENST00000330891	chr12	69678893 -	N.CDS-CDS.3X	0	0	1	1er2	Out-of-frame
RAB3P-AVL	chr12	69795344 +	chr12	57814226 -	RAB3P	ENST00000247833	chr12	69795344 +	AVL	ENST00000252761	chr12	57814226 -	Y.CDS-CDS	0	0	1	1er1	In-frame
RAB4-FAP15	chr17	82698455 -	chr17	82698455 -	RAB4	ENST00000338009	chr17	82698455 -	FAP15	ENST00000338009	chr17	82698455 -	N.CDS-SUTR	0	0	1	1er1	Out-of-frame
RAB40B-YB2	chr17	5090433 +	chr17	5090433 +	RAB40B	ENST00000248139	chr17	5090433 +	YB2	ENST00000070799	chr17	5090433 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame
RAB40C-RAB11FIP3	chr16	5030034 +	chr16	5030034 +	RAB40C	ENST00000248139	chr16	5030034 +	RAB11FIP3	ENST00000262305	chr16	5030034 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame
RAB40C-MYH11	chr16	18282411 +	chr16	18282411 +	RAB40C	ENST00000248139	chr16	18282411 +	MYH11	ENST00000300036	chr16	18282411 +	Y.CDS-CDS	0	0	1	1er1	In-frame
RAB40C-PTRH1	chr16	127716959 +	chr16	127716959 +	RAB40C	ENST00000248139	chr16	127716959 +	PTRH1	ENST00000419060	chr16	127716959 +	Y.CDS-SUTR.5X	0	0	1	1er1	CDS-SUTR
RAB4A-SNRPB	chr1	229271370 +	chr20	2467758 -	RAB4A	ENST00000366990	chr1	229271370 +	SNRPB	ENST00000381342	chr20	2467758 -	N.CDS-CDS	0	0	1	1er1	Out-of-frame
RAB4A-WDR47	chr1	108991329 -	chr1	108991329 -	RAB4A	ENST00000366990	chr1	108991329 -	WDR47	ENST00000357672	chr1	108991329 -	Y.CDS-CDS	0	0	1	1er4	In-frame
RAB4B-EXOC4	chr19	40778391 -	chr7	133356330 -	RAB4B	ENST00000357052	chr19	40778391 -	EXOC4	ENST00000253661	chr7	133356330 -	Y.CDS-CDS	0	0	1	1er3	In-frame
RAB4B-EXOC4	chr19	40778391 -	chr7	133356330 -	RAB4B	ENST00000594800	chr19	40778391 -	EXOC4	ENST00000253661	chr7	133356330 -	Y.CDS-CDS	0	0	1	1er3	In-frame
RAB4B-FBLX12	chr19	40786978 +	chr19	9811717 -	RAB4B	ENST00000357052	chr19	40786978 +	FBLX12	ENST00000247977	chr19	9811717 -	Y3UTR-CDS.1X	0	0	1	1er3	3UTR-CDS
RAB5A-PLCL2	chr3	19951061 +	chr3	17009674 +	RAB5A	ENST00000273047	chr3	19951061 +	PLCL2	ENST00000432376	chr3	17009674 +	N.CDS-SUTR	0	0	1	1er1	CDS-SUTR
RAB5B-DGKA	chr12	55974139 +	chr12	55974139 +	RAB5B	ENST00000360299	chr12	55974139 +	DGKA	ENST00000331886	chr12	55974139 +	N.SUTR-SUTR	0	0	1	1er1	SUTR-SUTR
RAB6A-TUT1	chr11	73707420 -	chr11	62577291 -	RAB6A	ENST00000358566	chr11	73707420 -	TUT1	ENST00000308436	chr11	62577291 -	N.3UTR-CDS.4X	0	0	1	1er2	Out-of-frame
RAB6A-HIST1H2AC	chr11	73707420 -	chr11	26138054 -	RAB6A	ENST00000310653	chr11	73707420 -	HIST1H2AC	ENST00000314088	chr11	26138054 -	N.CDS-SUTR	0	0	1	1er1	CDS-SUTR
RAB6A-SHANK2	chr11	73707420 -	chr11	70898763 -	RAB6A	ENST00000310653	chr11	73707420 -	SHANK2	ENST00000246887	chr11	70898763 -	N.CDS-CDS	0	0	1	1er2	Out-of-frame
RAB6A-MICA	chr11	73730765 -	chr11	31410543 +	RAB6A	ENST00000310653	chr11	73730765 -	MICA	ENST00000421350	chr11	31410543 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame
RAB6A-GDPD5	chr11	73760566 -	chr11	75490320 -	RAB6A	ENST00000310653	chr11	73760566 -	GDPD5	ENST00000336898	chr11	75490320 -	N.CDS-SUTR.1X	0	0	1	1er1	Out-of-frame
RAB6A-MRPL48	chr11	73760566 -	chr11	73805027 +	RAB6A	ENST00000310653	chr11	73760566 -	MRPL48	ENST00000310614	chr11	73805027 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame
RAB6B-VEPH1	chr3	133864584 -	chr3	157470529 -	RAB6B	ENST00000285208	chr3	133864584 -	VEPH1	ENST00000362010	chr3	157470529 -	Y.CDS-CDS	0	1	0	0	0
RAB7A-WDR5	chr3	128726359 +	chr9	134139820 +	RAB7A	ENST00000265062	chr3	128726359 +	WDR5	ENST00000398625	chr9	134139820 +	N.SUTR-SUTR	0	0	1	1er1	SUTR-SUTR
RAB7A-TRMT1	chr3	128807671 +	chr19	13110306 -	RAB7A	ENST00000482525	chr3	128807671 +	TRMT1	ENST00000357720	chr19	13110306 -	Y.CDS-CDS	0	0	1	0	0
RAB7A-TRMT1	chr3	128807671 +	chr19	13110306 -	RAB7A	ENST00000482525	chr3	128807671 +	TRMT1	ENST00000215054	chr19	13110306 -	Y.CDS-CDS	0	0	1	0	0
RAB7A-TRMT1	chr3	128807671 +	chr19	13110306 -	RAB7A	ENST00000265062	chr3	128807671 +	TRMT1	ENST00000357720	chr19	13110306 -	Y.CDS-CDS	0	0	1	0	0
RAB7A-TRMT1	chr3	128807671 +	chr19	13110306 -	RAB7A	ENST00000265062	chr3	128807671 +	TRMT1	ENST00000215054	chr19	13110306 -	Y.CDS-CDS	0	0	1	0	0
RAB7A-ANXA1	chr3	128814796 +	chr9	73157654 +	RAB7A	ENST00000265062	chr3	128814796 +	ANXA1	ENST00000376911	chr9	73157654 +	Y3UTR-SUTR.19X	0	0	1	1er3	3UTR-SUTR
RAB8A-PLAVP	chr19	161206195 +	chr19	17366195 -	RAB8A	ENST00000300935	chr19	161206195 +	PLAVP	ENST00000252590	chr19	17366195 -	N.CDS-CDS	0	0	1	1er2	Out-of-frame
RAB8B-TLN2	chr15	62738214 +	chr15	62738214 +	RAB8B	ENST00000321437	chr15	62738214 +	TLN2	ENST00000494733	chr15	62738214 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame
RAB8A-ANKRD1A	chr15	64915787 +	chr15	64915787 +	RAB8A	ENST00000321437	chr15	64915787 +	ANKRD1A	ENST00000321437	chr15	64915787 +	Y.CDS-CDS	0	0	1	1er1	Out-of-frame
RAB9A-EGFL6	chrX	13689288 +	chrX	13617730 +	RAB9A	ENST00000243325	chrX	13689288 +	EGFL6	ENST00000361306	chrX	13617730 +	N.SUTR-CDS	0	0	1	1er1	Out-of-frame
RAB9A-EGFL6	chrX	13689288 +	chrX	13589556 +	RAB9A	ENST00000243325	chrX	13689288 +	EGFL6	ENST00000361306	chrX	13589556 +	N.SUTR-CDS	0	0	1	1er1	SUTR-CDS
RAB9A-TRAPP2C	chrX	13703902 +	chrX	13719982 +	RAB9A	ENST00000243325	chrX	13703902 +	TRAPP2C	ENST00000359680	chrX	13719982 +	N.SUTR-SUTR.4X	0	0	1	1er1	SUTR-SUTR
RABEPI1-ZMYND15	chr17	5282520 +	chr17	4743303 +	RABEPI1	ENST00000341923	chr17	5282520 +	ZMYND15	ENST00000269289	chr17	4743303 +	Y.CDS-CDS	0	1	0	0	0
RABEPI1-ASPA	chr17	5282520 +	chr17	3494350 +	RABEPI1	ENST00000341923	chr17	5282520 +	ASPA	ENST00000263080	chr17	3494350 +	Y.CDS-CDS	0	1	0	0	0
RABEPI1-TLLN15	chr17	5282520 +	chr17	4743303 +	RABEPI1	ENST00000341923	chr17	5282520 +	TLLN15	ENST00000269289	chr17	4743303 +	Y.CDS-CDS	0	1	0	0	0
RABEPI1-ASPA	chr17	5282520 +	chr17	3494350 +	RABEPI1	ENST00000341923	chr17	5282520 +	ASPA	ENST00000263080	chr17	3494350 +	Y.CDS-CDS	0	1	0	0	0
RABEPI1-ZFP3	chr17	5332152 +	chr17	5091497 +	RABEPI1	ENST00000341923	chr17	5332152 +	ZFP3	ENST00000318833	chr17	5091497 +	Y.CDS-SUTR	0	0	1	1er1	CDS-SUTR
RABEPI1-RNF167	chr17	5332152 +	chr17	4940487 +	RABEPI1	ENST00000341923	chr17	5332152 +	RNF167	ENST00000262482	chr17	4940487 +	N.CDS-SUTR.7X	0	0	2	1er1	CDS-SUTR
RABEPI1-RORB	chr17	5346925 +	chr17	47630282 +	RABEPI1	ENST00000341923	chr17	5346925 +	RORB	ENST00000376896	chr17	47630282 +	Y.CDS-CDS	0	0	1	1er1	In-frame
RABEPI1-PIGL	chr17	5354490 +	chr17	16299888 +	RABEPI1	ENST00000341923	chr17	5354490 +	PIGL	ENST00000225690	chr17	16299888 +	N.CDS-CDS.23X	0	0	1	1er1	Out-of-frame
RABEPI1-MINK1	chr17	5378232 +	chr17	4878317 +	RABEPI1	ENST00000341923	chr17	5378232 +	MINK1	ENST00000347992	chr17	4878317 +	Y.CDS-CDS	0	0	1	1er1	In-frame
RABEPI1-SRCP	chr16	30728966 +	chr16	30728966 +	RABEPI1	ENST00000341923	chr16	30728966 +	SRCP	ENST00000282154	chr16	30728966 +	Y.CDS-CDS	0	0	1	1er1	Out-of-frame
RABEPI1-SRCP	chr16	28919786 -	chr16	30728966 +	RABEPI1	ENST00000341923	chr16	28919786 -	SRCP	ENST00000282154	chr16	30728966 +	Y.CDS-CDS	0	0	1	0	0
RABEPI1-PIK3R1	chr9	125207721 +	chr9	68273390 +	RABEPI1	ENST00000259460	chr9	125207721 +	PIK3R1	ENST00000521381	chr9	68273390 +	Y.CDS-CDS	0	1	0	0	0
RABGAP1-RC3H2	chr9	122957209 +	chr9	122957209 +	RABGAP1	ENST00000317419	chr9	122957209 +	RC3H2	ENST00000335387	chr9	122957209 +	N.SUTR-SUTR.1X	0	0	1	1er1	CDS-SUTR
RABGAP1-NIPSNAP3	chr9	104772822 +	chr9	104772822 +	RABGAP1	ENST00000317419	chr9	104772822 +	NIPSNAP3	ENST00000347462	chr9	104772822 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame
RABGAP1-PBK3	chr9	123020459 +	chr9	123020459 +	RABGAP1	ENST00000317419	chr9	123020459 +	PBK3	ENST00000342287	chr9	123020459 +	Y.CDS-CDS	0	1	1er2	1	In-frame
RABGAP1-TLL11	chr9	123020459 +	chr9	123020459 +	RABGAP1	ENST00000317419	chr9	123020459 +	TLL11	ENST00000321582	chr9	123020459 +	Y.CDS-CDS	0	1	1er1	1	CDS-SUTR
RABGAP1-RLHL20	chr1	174159857 +	chr1	174159857 +	RABGAP1	ENST00000317419	chr1	174159857 +	RLHL20	ENST00000209845	chr1	174159857 +	N.SUTR-CDS	0	0	1	1er1	SUTR-CDS
RABGAP1-DGKB	chr1	174221164 +	chr7	14178151 -	RABGAP1	ENST00000357444	chr1	174221164 +	DGKB	ENST00000399322	chr7	14178151 -	Y.CDS-CDS	0	1	0	0	0
RABGAP1-DGKB	chr1	174221164 +	chr7	14178151 -	RABGAP1	ENST00000357444	chr1	174221164 +	DGKB	ENST00000406247	chr7	14178151 -	Y.CDS-CDS	0	1	0	0	0
RABGAP1-DGKB	chr1	174221164 +	chr7	14178151 -	RABGAP1	ENST00000251507	chr1	174221164 +	DGKB	ENST00000399322	chr7	14178151 -	Y.CDS-CDS	0	1	0	0	0
RABGAP1-DGKB	chr1	174221164 +	chr7	14178151 -	RABGAP1	ENST00000251507	chr1	174221164 +	DGKB	ENST00000406247	chr7	14178151 -	Y.CDS-CDS	0	1	0	0	0
RABGAP1-DARS2	chr1	174305127 +	chr1	173826887 +	RABGAP1	ENST00000251507	chr1	174305127 +	DARS2	ENST00000381951	chr1	173826887 +	Y.CDS-CDS	0	1	1er1	1	In-frame
RABGAP1-TRIM11	chr1	174305127 +	chr1	173826887 +	RABGAP1	ENST00000251507	chr1	174305127 +	TRIM11	ENST00000381951	chr1	173826887 +	N.CDS-CDS.26X	0	0	1	1er1	Out-of-frame
RABGAP1-FOXJ3	chr1	175786274 +	chr1	42182024 +	RABGAP1	ENST00000319042	chr1	175786274 +	FOXJ3	ENST00000361346	chr1	42182024 +	Y.CDS-CDS	0	1	1er1	1	Out-of-frame
RAC1-PKM	chr7	6402477 +	chr15	72207220 +	RAC1	ENST00000488373	chr7	6402477 +	PKM	ENST00000319622	chr15	72207220 +	N.SUTR-CDS	0	1	0	0	0
RAC3-ABCAB	chr17	82031796 +	chr17	68869779 +	RAC3	ENST00000308997	chr17	82031796 +	ABCAB	ENST00000269080	chr17	68869779 +	Y.CDS-CDS	0	1	1er1	1	In-frame
RACGAP1-LIMA1	chr12	50020884 -	chr12	50020884 -	RACGAP1	ENST00000312377	chr12	50020884 -	LIMA1	ENST00000341247	chr12	50020884 -	N.CDS-CDS	0	0	1	1er1	Out-of-frame
RACGAP1-CERS5	chr12	50025398 -	chr12	50144057 -	RACGAP1	ENST00000312377	chr12	50025398 -	CERS5	ENST00000317551	chr12	50144057 -	N.SUTR-CDS	0	0	1	1er1	SUTR-CDS
RAD1-SPEF2	chr5	34914095 -	chr5	34914095 -	RAD1	ENST00000325977	chr5	34914095 -	SPEF2	ENST00000356031	chr5	34914095 -						

RANBP9-TPMT	chr6	13710935	chr6	18149171	TPMT	ENST00000309893	chr6	18149171	YCD5-SUTR:1X	0	1	1	chr2	CDS-SUTR	
RANGAP1-PRK2	chr22	41257948	chr22	32188504	PRK2	ENST00000375050	chr22	32188504	N.CDS-CDS:4X	0	0	1	0	0	
RANGAP1-PRK1	chr22	41257955	chr22	41578822	PRK1	ENST00000375050	chr22	41578822	YCD5-CDS:1X	0	0	1	0	0	
RANGAP1-CERK	chr22	41268007	chr22	46687206	CERK	ENST00000216264	chr22	46687206	N.CDS-CDS:4X	0	1	0	0	0	
RANGAP1-HECTD4	chr22	41270630	chr22	41270630	HECTD4	ENST00000377560	chr22	41270630	N.CDS-CDS	0	1	0	0	0	
RANGAP1-ARHGAP2	chr22	41274600	chr22	44786457	ARHGAP2	ENST00000336963	chr22	44786457	N.CDS-SUTR	0	1	0	0	0	
RANGAP1-FAMS3A	chr22	41280933	chr4	1641607	FAMS3A	ENST00000308132	chr4	1641607	N.CDS-CDS	0	1	0	0	0	
RANGAP1-FAMS3A	chr22	41280933	chr4	1641607	FAMS3A	ENST00000308132	chr4	1641607	N.CDS-CDS	0	1	0	0	0	
RANGAP1-FAMS3A	chr22	41280933	chr4	1641607	FAMS3A	ENST00000461064	chr4	1641607	N.CDS-CDS	0	1	0	0	0	
RANGAP1-POLR3H	chr22	41284901	chr22	41284901	POLR3H	ENST00000355209	chr22	41284901	N.SUTR-CDS:7X	0	0	1	1	chr2	SUTR-CDS
RANGRF-LRPS	chr17	8289414	chr17	8289414	LRPS	ENST00000294304	chr17	8289414	YCD5-CDS	0	1	0	0	0	
RAP1A-CD2	chr1	11619934	chr1	11619934	CD2	ENST00000369477	chr1	11619934	N.SUTR-CDS	0	0	1	1	chr1	SUTR-CDS
RAP1A-ABCD3	chr1	11619934	chr1	94458607	ABCD3	ENST00000315713	chr1	94458607	N.SUTR-CDS	0	0	1	1	chr2	SUTR-CDS
RAP1A-C1orf162	chr1	11162037	chr1	11162037	C1orf162	ENST00000345354	chr1	11162037	N.SUTR-SUTR:8X	0	0	1	1	chr2	SUTR-SUTR
RAP1B-CPM	chr12	68611043	chr12	68611043	CPM	ENST00000338536	chr12	68611043	N.SUTR-SUTR	0	0	1	1	chr2	SUTR-SUTR
RAP1B-SNUF9	chr12	68611043	chr15	75607133	SNUF9	ENST00000368588	chr15	75607133	N.SUTR-CDS	0	1	1	1	chr1	SUTR-CDS
RAP1B-SCYL2	chr12	68611043	chr12	100317803	SCYL2	ENST00000360820	chr12	100317803	N.SUTR-CDS	0	0	1	1	chr1	SUTR-CDS
RAP1B-CTDSP2	chr12	68611043	chr12	57829596	CTDSP2	ENST00000398073	chr12	57829596	N.SUTR-CDS	0	0	1	1	chr1	SUTR-CDS
RAP1B-DPT	chr12	68611043	chr12	68611043	DPT	ENST00000367817	chr12	68611043	N.SUTR-CDS	0	0	1	1	chr1	SUTR-CDS
RAP1B-CSAD	chr12	68611052	chr12	53161389	CSAD	ENST00000267085	chr12	53161389	N.SUTR-CDS	0	0	1	1	chr2	SUTR-CDS
RAP1B-IGSF8	chr12	68654252	chr12	160095246	IGSF8	ENST00000314485	chr12	160095246	N.CDS-CDS	0	1	0	0	0	
RAP1B-IGSF8	chr12	68654252	chr12	160095246	IGSF8	ENST00000314485	chr12	160095246	N.CDS-CDS	0	1	0	0	0	
RAP1B-IGSF8	chr12	68654252	chr12	160095246	IGSF8	ENST00000314485	chr12	160095246	N.CDS-CDS	0	1	0	0	0	
RAP1B-IGSF8	chr12	68654252	chr12	160095246	IGSF8	ENST00000314485	chr12	160095246	N.CDS-CDS	0	1	0	0	0	
RAP1GAP-GOLGB1	chr1	21596215	chr3	121699885	GOLGB1	ENST00000340645	chr3	121699885	N.SUTR-CDS	0	1	1	1	chr4	SUTR-CDS
RAP1GAP-NIT2	chr1	21609575	chr3	100354772	NIT2	ENST00000394140	chr3	100354772	N.CDS-CDS:3X	0	0	1	1	chr1	Out-of-frame
RAP1GAP-CELA3B	chr1	21617306	chr1	21978369	CELA3B	ENST00000337107	chr1	21978369	N.CDS-CDS	0	1	1	1	chr4	Out-of-frame
RAP1GAP-USP48	chr1	21649761	chr1	21649761	USP48	ENST00000308271	chr1	21649761	N.SUTR-CDS	0	0	1	1	chr2	Out-of-frame
RAP1GAP-NSDHL	chr1	21649761	chrX	152588770	NSDHL	ENST00000370274	chrX	152588770	N.SUTR-CDS	0	1	1	1	chr1	SUTR-CDS
RAP1GAP-USP48	chr1	21649761	chr1	21649761	USP48	ENST00000308271	chr1	21649761	N.SUTR-CDS	0	0	1	1	chr1	SUTR-CDS
RAP1GAP2-TEK1	chr17	2800550	chr17	6815962	TEK1	ENST00000338694	chr17	6815962	YCD5-CDS	0	1	0	0	0	
RAP1GAP2-TEK1	chr17	2800550	chr17	6815962	TEK1	ENST00000338694	chr17	6815962	YCD5-CDS	0	1	0	0	0	
RAP1GAP2-TEK1	chr17	2800550	chr17	6815962	TEK1	ENST00000338694	chr17	6815962	YCD5-CDS	0	1	0	0	0	
RAP1GAP2-SGSM2	chr17	2993787	chr17	2377857	SGSM2	ENST00000268989	chr17	2377857	YCD5-CDS	0	1	0	0	0	
RAP1GDS1-GSTD	chr4	9832801	chr4	10584544	GSTD	ENST00000360505	chr4	10584544	YCD5-CDS	0	0	1	1	chr1	In-frame
RAP1GDS1-SCD5	chr4	9832801	chr4	8263823	SCD5	ENST00000319540	chr4	8263823	N.CDS-CDS:1X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST0000028520	chr4	98421394	N.CDS-CDS:30X	0	0	1	1	chr1	Out-of-frame
RAP1GDS1-ASTN2	chr4	98421394	chr4	98421394	ASTN2	ENST00000285									

RGL1-HMCN1	chr1	183806485	chr1	185846026	RGL1	ENST00000304885	chr1	183806485	HMCN1	ENST00000271588	chr1	185846026	N.CDS-CDS.2X	0	0	1	1er1	Out-of-frame
RGL1-POU2F1	chr1	183806485	chr1	187415500	RGL1	ENST00000304885	chr1	183806485	POU2F1	ENST00000367866	chr1	187415500	N.CDS-CDS.2X	0	0	1	1er1	Out-of-frame
RGL1-POU2F1	chr1	183806485	chr1	187415500	RGL1	ENST00000304885	chr1	183806485	POU2F1	ENST00000367866	chr1	187415500	N.CDS-CDS	0	0	1	1er1	Out-of-frame
RGL1-RASAL2	chr1	183884938	chr1	178283564	RGL1	ENST00000304885	chr1	178283564	RASAL2	ENST00000367649	chr1	178283564	N.CDS-CDS.15X	0	0	0	1er2	Out-of-frame
RGL2-DAXX	chr6	33294455	chr6	33294400	RGL2	ENST00000425946	chr6	33294455	DAXX	ENST00000453407	chr6	33294400	N.CDS-SUTR	0	0	0	1er1	NA
RGL3-ECST	chr19	11399855	chr19	11506428	RGL3	ENST00000380546	chr19	11399855	ECST	ENST00000252440	chr19	11506428	N.CDS-SUTR.1X	0	0	0	1er1	CDS-3UTR
RGMA-RHCG	chr15	93088919	chr15	89483217	RGMA	ENST00000329082	chr15	93088919	RHCG	ENST00000268122	chr15	89483217	Y.CDS-CDS	0	0	0	1er4	In-frame
RGMA-ADAMTSL3	chr15	93089192	chr15	83913092	RGMA	ENST00000329082	chr15	93089192	ADAMTSL3	ENST00000286744	chr15	83913092	Y.CDS-CDS	0	0	0	1er1	In-frame
RGBM-CDC112	chr5	98774206	chr5	115284908	RGBM	ENST00000308234	chr5	98774206	CDC112	ENST00000379811	chr5	115284908	Y.CDS-CDS	0	0	0	1er1	Out-of-frame
RGPD5-ABEA	chr2	10989304	chr2	35583898	RGPD5	ENST00000316946	chr2	10989304	ABEA	ENST00000316338	chr2	35583898	Y.CDS-CDS	0	1	0	1er1	In-frame
RGSI0-TIAL1	chr10	119542590	chr10	119582448	RGSI0	ENST00000369103	chr10	119542590	TIAL1	ENST00000369093	chr10	119582448	N.CDS-CDS	0	0	0	1er1	Out-of-frame
RGSI2-PDZRN3	chr4	3318051	chr4	37368684	RGSI2	ENST00000336727	chr4	3318051	PDZRN3	ENST00000263666	chr4	37368684	Y.CDS-CDS	0	0	0	1er1	In-frame
RGSI2-USP2	chr4	3343053	chr11	119360234	RGSI2	ENST00000336727	chr4	3343053	USP2	ENST00000260187	chr11	119360234	Y.CDS-CDS	0	0	0	1er1	In-frame
RGSI7-POLIM5	chr6	153043900	chr4	94662422	RGSI7	ENST00000262622	chr6	153043900	POLIM5	ENST00000317968	chr4	94662422	N.CDS-CDS	0	0	0	1er1	Out-of-frame
RGSI7-LAMA2	chr6	153131124	chr6	129049918	RGSI7	ENST00000262622	chr6	153131124	LAMA2	ENST00000421865	chr6	129049918	N.SUTR-CDS	0	0	0	1er1	In-frame
RGSS2-MCPH1	chr8	53881084	chr8	4677594	RGSS2	ENST00000276550	chr8	53881084	MCPH1	ENST00000344683	chr8	4677594	Y.CDS-CDS	0	0	0	1er1	5UTR-CDS
RGSS2-NIPAL2	chr8	100047463	chr8	9254087	RGSS2	ENST00000369861	chr8	100047463	NIPAL2	ENST00000341166	chr8	9254087	N.CDS-CDS.41X	0	0	0	1er1	In-frame
RGSS3-ABCA1	chr9	113463881	chr9	104840519	RGSS3	ENST00000317613	chr9	113463881	ABCA1	ENST00000347376	chr9	104840519	N.CDS-CDS	0	0	0	1er1	Out-of-frame
RGSS3-BSPRY	chr9	113463881	chr9	113368259	RGSS3	ENST00000317613	chr9	113463881	BSPRY	ENST00000374183	chr9	113368259	N.CDS-CDS	0	0	0	1er1	Out-of-frame
RGSS3-MIER3	chr9	11336918	chr9	56928861	RGSS3	ENST00000317613	chr9	11336918	MIER3	ENST00000381199	chr9	56928861	N.CDS-CDS.8X	0	0	0	1er2	Out-of-frame
RGSS3-BSPRY	chr9	113584427	chr9	113584427	RGSS3	ENST00000348173	chr9	113584427	BSPRY	ENST00000374183	chr9	113584427	Y.CDS-CDS	0	0	0	1er1	In-frame
RGSS4-SERPINF2	chr1	163096828	chr17	1744992	RGSS4	ENST00000367908	chr1	163096828	SERPINF2	ENST00000324015	chr17	1744992	Y.CDS-SUTR	0	0	0	1er1	CDS-SUTR
RGST-C6orf34	chr1	241355699	chr8	68468992	RGST	ENST00000348120	chr1	241355699	C6orf34	ENST00000337103	chr8	68468992	N.CDS-CDS	0	0	0	1er4	Out-of-frame
RHBD1-EFR3A	chr2	226914351	chr8	131940499	RHBD1	ENST00000341329	chr2	226914351	EFR3A	ENST00000254624	chr8	131940499	Y.CDS-CDS	0	0	0	1er3	In-frame
RHBDL3-CTLA4	chr17	32298204	chr17	203870586	RHBDL3	ENST00000269051	chr17	32298204	CTLA4	ENST00000472206	chr17	203870586	Y.CDS-CDS	0	0	0	1er1	Out-of-frame
RHBDL3-CTLA4	chr17	32298204	chr2	203870586	RHBDL3	ENST00000269051	chr17	32298204	CTLA4	ENST00000295854	chr2	203870586	Y.CDS-CDS	0	0	0	1er1	Out-of-frame
RHOA-EMC3	chr3	49368428	chr3	9969801	RHOA	ENST00000418115	chr3	49368428	EMC3	ENST00000245046	chr3	9969801	Y.CDS-CDS	0	0	0	1er1	In-frame
RHOA-C3orf84	chr3	49375434	chr3	49375434	RHOA	ENST00000418115	chr3	49375434	C3orf84	ENST00000457570	chr3	49375434	Y.CDS-CDS	0	0	0	1er1	Out-of-frame
RHOA-NMN1	chr3	49426428	chr3	49426428	RHOA	ENST00000418115	chr3	49426428	NMN1	ENST00000391766	chr3	49426428	N.SUTR-CDS	0	0	0	1er1	In-frame
RHOB-EIF2AK2	chr2	20444939	chr2	37115241	RHOB	ENST00000272233	chr2	20444939	EIF2AK2	ENST00000235057	chr2	37115241	N.SUTR-ND.2X	0	0	0	1er3	NA
RHOB-ANXA1	chr2	20444939	chr9	73157654	RHOB	ENST00000272233	chr2	20444939	ANXA1	ENST00000376911	chr9	73157654	Y3UTR-SUTR.19X	0	0	0	1er3	3UTR-SUTR
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS	0	0	0	1er1	5UTR-CDS
RHOBT1-ATPV1C1	chr10	60941804	chr10	10768719	RHOBT1	ENST00000337910	chr10	60941804	ATPV1C1	ENST00000272238	chr10	10768719	N.SUTR-CDS					

RPL38-DST	chr17	74209828	-	chr6	56466143	-	chr17	74209828	-	DST	ENST00000244364	chr6	56466143	-	N.CDS-CDS	0	0	0	-
RPL41-SMARCC2	chr12	56116799	-	chr12	56186240	-	chr12	56116799	-	SMARCC2	ENST00000267064	chr12	56186240	-	N.5UTR-CDS	0	1	0	-
RPL41-SMARCC2	chr12	56116799	-	chr12	56186240	-	chr12	56116799	-	SMARCC2	ENST00000267064	chr12	56186240	-	N.5UTR-CDS	0	1	0	-
RPL5-CCDC18	chr1	93283733	-	chr1	93283733	-	chr1	93283733	-	CCDC18	ENST00000342523	chr1	93283733	-	Y.CDS-CDS	0	0	0	-
RPL5-CCDC18	chr1	93283733	-	chr1	93283733	-	chr1	93283733	-	CCDC18	ENST00000342523	chr1	93283733	-	Y.CDS-CDS	0	0	0	-
RPL8-ABCF1	chr8	144789769	-	chr6	30578076	-	chr8	144789769	-	ABCF1	ENST00000326195	chr6	30578076	-	N.3UTR-CDS-1X	0	1	0	3
RPL8-ABCF1	chr8	144789769	-	chr6	30578076	-	chr8	144789769	-	ABCF1	ENST00000326195	chr6	30578076	-	N.3UTR-CDS-1X	0	1	0	3
RPL8-FMN1	chr8	144789769	-	chr15	32804332	-	chr8	144789769	-	FMN1	ENST00000334528	chr15	32804332	-	N.3UTR-CDS	0	1	0	4
RPL8-FMN1	chr8	144789769	-	chr15	32804332	-	chr8	144789769	-	FMN1	ENST00000334528	chr15	32804332	-	N.3UTR-CDS	0	1	0	4
RPL8-SCARB1	chr8	144789769	-	chr12	124839671	-	chr8	144789769	-	SCARB1	ENST00000261693	chr12	124839671	-	N.3UTR-ND-1X	0	1	0	3
RPL8-SCARB1	chr8	144789769	-	chr12	124839671	-	chr8	144789769	-	SCARB1	ENST00000261693	chr12	124839671	-	N.3UTR-ND-1X	0	1	0	3
RPL8-GLG1	chr8	144789769	-	chr16	74532153	-	chr8	144789769	-	GLG1	ENST00000205061	chr16	74532153	-	Y.3UTR-CDS-1X	0	1	0	3
RPL8-NOVA1	chr8	144789770	-	chr14	26597486	-	chr8	144789770	-	NOVA1	ENST00000485357	chr14	26597486	-	N.3UTR-5UTR	0	1	0	3
RPL8-NOVA1	chr8	144789770	-	chr14	26597486	-	chr8	144789770	-	NOVA1	ENST00000485357	chr14	26597486	-	N.3UTR-5UTR	0	1	0	3
RPL8-SC1A3	chr8	144789770	-	chr5	36606439	-	chr8	144789770	-	SC1A3	ENST00000265113	chr5	36606439	-	N.3UTR-5UTR	0	1	0	3
RPL8-SC1A3	chr8	144789770	-	chr5	36606439	-	chr8	144789770	-	SC1A3	ENST00000265113	chr5	36606439	-	N.3UTR-5UTR	0	1	0	3
RPL8-CFB	chr8	144789770	-	chr6	31945850	-	chr8	144789770	-	CFB	ENST00000475617	chr6	31945850	-	N.3UTR-5UTR	0	1	0	4
RPL8-CFB	chr8	144789770	-	chr6	31945850	-	chr8	144789770	-	CFB	ENST00000475617	chr6	31945850	-	N.3UTR-5UTR	0	1	0	4
RPL8-SNW1	chr8	144789770	-	chr14	7722860	-	chr8	144789770	-	SNW1	ENST00000261531	chr14	7722860	-	Y.3UTR-ND-1X	0	1	0	3
RPL8-SNW1	chr8	144789770	-	chr14	7722860	-	chr8	144789770	-	SNW1	ENST00000261531	chr14	7722860	-	Y.3UTR-ND-1X	0	1	0	3
RPL8-NDUFV1	chr8	144789770	-	chr11	67608226	-	chr8	144789770	-	NDUFV1	ENST00000528314	chr11	67608226	-	N.3UTR-5UTR	0	1	0	3
RPL8-NDUFV1	chr8	144789770	-	chr11	67608226	-	chr8	144789770	-	NDUFV1	ENST00000528314	chr11	67608226	-	N.3UTR-5UTR	0	1	0	3
RPL1-TMEFF2	chr15	69455833	-	chr2	192194916	-	chr15	69455833	-	TMEFF2	ENST00000272771	chr2	192194916	-	N.3UTR-5UTR-2X	0	0	1	4
RPL1-TMEFF2	chr15	69455833	-	chr2	192194916	-	chr15	69455833	-	TMEFF2	ENST00000272771	chr2	192194916	-	N.3UTR-5UTR-2X	0	0	1	4
RPL2-BOD1L1	chr11	810294	-	chr4	13599590	-	chr11	810294	-	BOD1L1	ENST00000407398	chr4	13599590	-	N.CDS-CDS	0	1	0	-
RPL2-BOD1L1	chr11	810294	-	chr4	13599590	-	chr11	810294	-	BOD1L1	ENST00000407398	chr4	13599590	-	N.CDS-CDS	0	1	0	-
RPL2-MND4	chr11	810303	-	chr1	158847746	-	chr11	810303	-	MND4	ENST00000368141	chr1	158847746	-	N.CDS-CDS	0	1	0	-
RPL2-MND4	chr11	810303	-	chr1	158847746	-	chr11	810303	-	MND4	ENST00000368141	chr1	158847746	-	N.CDS-CDS	0	1	0	-
RPL2-CALR	chr19	12943783	-	chr19	12943783	-	chr19	12943783	-	CALR	ENST00000316448	chr19	12943783	-	N.CDS-CDS-2X	0	1	0	-
RPL2-CALR	chr19	12943783	-	chr19	12943783	-	chr19	12943783	-	CALR	ENST00000316448	chr19	12943783	-	N.CDS-CDS-2X	0	1	0	-
RPL2-TALDO1	chr11	811645	-	chr11	755879	-	chr11	811645	-	TALDO1	ENST00000319006	chr11	755879	-	Y.CDS-CDS	0	1	0	-
RPL2-TALDO1	chr11	811645	-	chr11	755879	-	chr11	811645	-	TALDO1	ENST00000319006	chr11	755879	-	Y.CDS-CDS	0	1	0	-
RPL2-ACPP	chr11	812874	-	chr11	132317367	-	chr11	812874	-	ACPP	ENST00000336375	chr11	132317367	-	Y.3UTR-5UTR-4X	0	1	0	-
RPL2-ACPP	chr11	812874	-	chr11	132317367	-	chr11	812874	-	ACPP	ENST00000336375	chr11	132317367	-	Y.3UTR-5UTR-4X	0	1	0	-
RPN1-ALDOA	chr3	128619974	-	chr16	30064652	-	chr3	128619974	-	ALDOA	ENST00000412304	chr16	30064652	-	N.3UTR-5UTR-25X	0	1	0	-
RPN1-ALDOA	chr3	128619974	-	chr16	30064652	-	chr3	128619974	-	ALDOA	ENST00000412304	chr16	30064652	-	N.3UTR-5UTR-25X	0	1	0	-
RPN1-UTRN	chr3	128619974	-	chr6	144344101	-	chr3	128619974	-	UTRN	ENST00000421035	chr6	144344101	-	N.3UTR-5UTR	0	1	0	-
RPN1-UTRN	chr3	128619974	-	chr6	144344101	-	chr3	128619974	-	UTRN	ENST00000421035	chr6	144344101	-	N.3UTR-5UTR	0	1	0	-
RPN1-SLC22A13	chr3	128629951	-	chr3	38265994	-	chr3	128629951	-	SLC22A13	ENST00000311856	chr3	38265994	-	Y.CDS-CDS	0	1	0	-
RPN1-SLC22A13	chr3	128629951	-	chr3	38265994	-	chr3	128629951	-	SLC22A13	ENST00000311856	chr3	38265994	-	Y.CDS-CDS	0	1	0	-
RPN1-MAP3D1	chr3	128644919	-	chr3	183818111	-	chr3	128644919	-	MAP3D1	ENST00000343348	chr3	183818111	-	Y.CDS-CDS	0	1	0	-
RPN1-MAP3D1	chr3	128644919	-	chr3	183818111	-	chr3	128644919	-	MAP3D1	ENST00000343348	chr3	183818111	-	Y.CDS-CDS	0	1	0	-
RPN1-MECOM	chr3	128650540	-	chr3	169131533	-	chr3	128650540	-	MECOM	ENST00000266474	chr3	169131533	-	N.CDS-ND-5X	0	1	0	-
RPN1-MECOM	chr3	128650540	-	chr3	169131533	-	chr3	128650540	-	MECOM	ENST00000266474	chr3	169131533	-	N.CDS-ND-5X	0	1	0	-
RPN2-RERE	chr20	37213865	-	chr1	8557523	-	chr20	37213865	-	RERE	ENST00000337907	chr1	8557523	-	Y.CDS-CDS	0	1	0	-
RPN2-RERE	chr20	37213865	-	chr1	8557523	-	chr20	37213865	-	RERE	ENST00000337907	chr1	8557523	-	Y.CDS-CDS	0	1	0	-
RPN2-STAU1	chr20	37213865	-	chr20	49124587	-	chr20	37213865	-	STAU1	ENST00000340954	chr20	49124587	-	Y.CDS-CDS	0	1	0	-
RPN2-STAU1	chr20	37213865	-	chr20	49124587	-	chr20	37213865	-	STAU1	ENST00000340954	chr20	49124587	-	Y.CDS-CDS	0	1	0	-
RPN2-MYL9	chr20	37213865	-	chr20	36549077	-	chr20	37213865	-	MYL9	ENST00000279022	chr20	36549077	-	N.CDS-CDS-21X	0	1	0	-
RPN2-MYL9	chr20	37213865	-	chr20	36549077	-	chr20	37213865	-	MYL9	ENST00000279022	chr20	36549077	-	N.CDS-CDS-21X	0	1	0	-
RPN2-ZBTB46	chr20	37230059	-	chr20	63790790	-	chr20	37230059	-	ZBTB46	ENST00000245663	chr20	63790790	-	Y.CDS-5UTR-1X	0	1	0	-
RPN2-ZBTB46	chr20	37230059	-	chr20	63790790	-	chr20	37230059	-	ZBTB46	ENST00000245663	chr20	63790790	-	Y.CDS-5UTR-1X	0	1	0	-
RPN2-ABHD6	chr3	58310591	-	chr2	58267189	-	chr3	58310591	-	ABHD6	ENST00000295962	chr2	58267189	-	N.CDS-CDS-5X	0	1	0	-
RPN2-ABHD6	chr3	58310591	-	chr2	58267189	-	chr3	58310591	-	ABHD6	ENST00000295962	chr2	58267189	-	N.CDS-CDS-5X	0	1	0	-
RPN4-FLNB	chr3	58310591	-	chr3	58168440	-	chr3	58310591	-	FLNB	ENST00000295956	chr3	58168440	-	N.CDS-CDS	0	1	0	-
RPN4-FLNB	chr3	58310591	-	chr3	58168440	-	chr3	58310591	-	FLNB	ENST00000295956	chr3	58168440	-	N.CDS-CDS	0	1	0	-
RPN4-LYRM4	chr6	5003880	-	chr6	5109491	-	chr6	5003880	-	LYRM4	ENST0000048929	chr6	5109491	-	N.CDS-CDS	0	1	0	-
RPN4-LYRM4	chr6	5003880	-	chr6	5109491	-	chr6	5003880	-	LYRM4	ENST0000048929	chr6	5109491	-	N.CDS-CDS	0	1	0	-
RPN4-LYRM4	chr6	5003880	-	chr6	5109491	-	chr6	5003880	-	LYRM4	ENST0000048929	chr6	5109491	-	N.CDS-CDS	0	1	0	-
RPN4-LYRM4	chr6	5003880	-	chr6	5109491	-	chr6	5003880	-	LYRM4	ENST0000048929	chr6	5109491	-	N.CDS-CDS	0	1	0	-
RPN4-LYRM4	chr6	5003880	-	chr6	5109491	-	chr6	5003880	-	LYRM4	ENST0000048929	chr6	5109491	-	N.CDS-CDS	0	1	0	-
RPD1A-RALGAP2	chr18	3603808	-	chr18	3603808	-	chr18	3603808	-	RALGAP2	ENST00000202677	chr18	3603808	-	N.CDS-CDS	0	1	1	-
RPD1A-RALGAP2	chr18	3603808	-	chr18	3603808	-	chr18	3603808	-	RALGAP2	ENST00000202677	chr18	3603808	-	N.CDS-CDS	0	1	1	-
RPD1A-RALGAP2	chr18	3603808	-	chr18	3603808	-	chr18	3603808	-	RALGAP2	ENST00000202677	chr18	3603808	-	N.CDS-CDS	0	1	1	-
RPD1A-RALGAP2	chr18	3603808	-	chr18	3603808	-	chr18	3603808	-	RALGAP2	ENST00000202677	chr18	3603808	-	N.CDS-CDS	0	1	1	-
RPD1A-RALGAP2	chr18	3603808	-	chr18	3603808	-	chr18	3603808	-	RALGAP2	ENST00000202677	chr18	3603808	-	N.CDS-CDS	0	1	1	-
RPD1A-RALGAP2	chr18	3603808	-	chr18	3603808	-	chr18	3603808	-	RALGAP2	ENST00000202677	chr18	3603808	-	N.CDS-CDS	0	1	1	-
RPD1A-RALGAP2	chr18	3603808	-	chr18	3603808	-	chr18	3603808	-	RALGAP2	ENST00000202677	chr18	3603808	-	N.CDS-CDS	0	1	1	-
RPD1A-RALGAP2	chr18	3603808	-	chr18	3603808	-	chr18	3603808	-	RALGAP2	ENST00000202677	chr18	3603808	-	N.CDS-CDS	0</			

SBF2-C1tor49	chr11	47052388	chr11	10193902	SBF2	ENST0000025190	chr11	10193902	C1tor49	ENST0000027840	chr11	47052388	N.CDS-CDS:1X	0	0	1	ter1	Out-of-frame
SBF2-MRGPFX3	chr11	10294015	chr11	10294015	SBF2	ENST0000025190	chr11	10294015	MRGPFX3	ENST00000396275	chr11	18132614	N.CDS-SUTR	0	0	1	ter1	CDS-SUTR
SBF2-PAK3	chr11	10294015	chr11	10294015	SBF2	ENST0000025190	chr11	10294015	PAK3	ENST00000262871	chr11	26452210	N.CDS-CDS	0	0	1	ter1	Out-of-frame
SBNO2-CACANAD2	chr19	1132090	chr3	50434429	SBNO2	ENST0000038103	chr19	1132090	CACANAD2	ENST00000266039	chr3	50434429	Y.CDS-CDS	0	0	1	ter2	In-frame
SBNO2-CEBP	chr19	1147309	chr19	1147309	SBNO2	ENST00000361757	chr19	1147309	CEBP	ENST00000284000	chr19	33379144	N.CDS-SUTR	0	0	1	ter3	CDS-SUTR
SBNO2-NANOS3	chr19	1147309	chr19	1147309	SBNO2	ENST00000361757	chr19	1147309	NANOS3	ENST00000339133	chr19	13880442	N.CDS-CDS	0	0	1	ter1	Out-of-frame
SBNO2-CLEC4M	chr19	1147309	chr19	1147309	SBNO2	ENST00000361757	chr19	1147309	CLEC4M	ENST00000248228	chr19	7765638	N.CDS-CDS	0	1	2	ter1	Out-of-frame
SBNO2-SERINC2	chr19	1143969	chr1	1143969	SBNO2	ENST00000361757	chr19	1143969	SERINC2	ENST00000337309	chr1	31432967	Y.CDS-CDS	0	0	1	ter1	In-frame
SBNO2-RAP1GAP	chr19	1154184	chr1	21649796	SBNO2	ENST00000361757	chr19	1154184	RAP1GAP	ENST00000290701	chr1	21649796	Y.CDS-SUTR	0	0	1	ter1	CDS-SUTR
SBNO2-PAK4	chr19	1174172	chr19	4012923	SBNO2	ENST00000361757	chr19	1174172	PAK4	ENST00000262871	chr19	4012923	N.SUTR-CDS	0	0	1	ter1	SUTR-CDS
SBNO2-TULP2	chr19	1174172	chr19	4889631	SBNO2	ENST00000361757	chr19	1174172	TULP2	ENST00000221399	chr19	4889631	N.SUTR-CDS	0	0	1	ter1	SUTR-CDS
SCAF1-TRAPPC6A	chr19	4964830	chr19	45165194	SCAF1	ENST00000360565	chr19	4964830	TRAPPC6A	ENST00000006275	chr19	45165194	N.CDS-CDS:1X	0	0	1	ter1	Out-of-frame
SCAF1-FLT3LG	chr19	49653705	chr19	49478909	SCAF1	ENST00000360565	chr19	49653705	FLT3LG	ENST00000204637	chr19	49478909	N.CDS-CDS:9X	0	0	1	ter1	Out-of-frame
SCAF1-MAP4K1	chr19	49657889	chr19	38587817	SCAF1	ENST00000360565	chr19	49657889	MAP4K1	ENST00000396857	chr19	38587817	N.CDS-CDS:15X	0	0	1	ter1	Out-of-frame
SCAF1-MAP4K1	chr19	49657889	chr19	38587817	SCAF1	ENST00000360565	chr19	49657889	MAP4K1	ENST00000566296	chr19	38587817	N.CDS-CDS:15X	0	0	1	ter1	Out-of-frame
SCAF8-GNM1	chr6	15473390	chr6	14957285	SCAF8	ENST00000367186	chr6	15473390	GNM1	ENST00000367149	chr6	14957285	Y.CDS-CDS	0	1	0	0	0
SCAF8-GNM1	chr6	15473390	chr6	14957285	SCAF8	ENST00000367186	chr6	15473390	GNM1	ENST00000367149	chr6	14957285	Y.CDS-CDS	0	1	0	0	0
SCAF8-GNM1	chr6	15473390	chr6	14957285	SCAF8	ENST00000417268	chr6	15473390	GNM1	ENST00000367149	chr6	14957285	Y.CDS-CDS	0	1	0	0	0
SCAF8-SAMD5	chr6	154778045	chr6	147564394	SCAF8	ENST00000367186	chr6	154778045	SAMD5	ENST00000367474	chr6	147564394	Y.CDS-CDS	0	1	0	0	0
SCAF8-SAMD5	chr6	154778045	chr6	147564394	SCAF8	ENST00000367186	chr6	154778045	SAMD5	ENST00000367474	chr6	147564394	Y.CDS-CDS	0	1	0	0	0
SCAI-TOX3	chr9	125142633	chr16	52450546	SCAI	ENST00000336505	chr9	125142633	TOX3	ENST00000219746	chr16	52450546	N.CDS-CDS	0	0	1	ter1	Out-of-frame
SCAMP2-SLCO3A1	chr15	74873199	chr15	92094881	SCAMP2	ENST00000268099	chr15	74873199	SLCO3A1	ENST00000318445	chr15	92094881	N.CDS-CDS	0	0	1	ter1	Out-of-frame
SCAMP2-PLAUR	chr15	74873199	chr19	43656640	SCAMP2	ENST00000268099	chr15	74873199	PLAUR	ENST00000221264	chr19	43656640	N.CDS-CDS	0	0	1	ter1	Out-of-frame
SCAMP2-DBN1	chr15	74873199	chr15	177460703	SCAMP2	ENST00000268099	chr15	74873199	DBN1	ENST00000292585	chr15	177460703	Y.CDS-CDS	0	1	0	0	0
SCAMP2-DBN1	chr15	74873199	chr15	177460703	SCAMP2	ENST00000268099	chr15	74873199	DBN1	ENST00000393555	chr15	177460703	Y.CDS-CDS	0	1	0	0	0
SCAMP4-DAZAP1	chr19	1905439	chr19	1417500	SCAMP4	ENST00000316097	chr19	1905439	DAZAP1	ENST00000233078	chr19	1417500	N.SUTR-CDS	0	0	1	ter2	SUTR-CDS
SCAMP4-COX8A	chr19	1918990	chr11	63976225	SCAMP4	ENST00000316097	chr19	1918990	COX8A	ENST00000314133	chr11	63976225	N.CDS-CDS:1X	0	0	1	ter1	Out-of-frame
SCAP-SMARCC1	chr3	47475799	chr3	47475799	SCAP	ENST00000265565	chr3	47475799	SMARCC1	ENST00000254480	chr3	47475799	N.SUTR-CDS	0	0	1	ter1	Out-of-frame
SCAP-SLZ2A20	chr3	47475799	chr3	48892072	SCAP	ENST00000265565	chr3	47475799	SLZ2A20	ENST00000319071	chr3	48892072	N.SUTR-CDS	0	0	1	ter1	SUTR-CDS
SCAPER-CLCE	chr15	76841734	chr15	92557374	SCAPER	ENST00000324767	chr15	76841734	CLCE	ENST00000218688	chr15	92557374	N.SUTR-CDS:8X	0	0	1	ter1	CDS-SUTR
SCAPER-TSPAN3	chr15	76841734	chr15	77056255	SCAPER	ENST00000324767	chr15	76841734	TSPAN3	ENST00000346495	chr15	77056255	Y.CDS-CDS	0	1	1	ter1	In-frame
SCAPER-TSPAN3	chr15	76841734	chr15	77056255	SCAPER	ENST00000324767	chr15	76841734	TSPAN3	ENST00000267970	chr15	77056255	Y.CDS-CDS	0	1	1	ter1	In-frame
SCAPER-CEP120	chr15	76883812	chr15	123350089	SCAPER	ENST00000303521	chr15	76883812	CEP120	ENST00000306467	chr15	123350089	N.SUTR-CDS:3X	0	0	1	ter3	In-frame
SCAPER-LINGO1	chr15	76883812	chr15	77615900	SCAPER	ENST00000303521	chr15	76883812	LINGO1	ENST00000355300	chr15	77615900	Y.CDS-CDS	0	1	1	ter3	In-frame
SCAPER-CEP120	chr15	76883812	chr15	123350089	SCAPER	ENST00000303521	chr15	76883812	CEP120	ENST00000306467	chr15	123350089	Y.CDS-CDS	0	1	1	ter3	In-frame
SCAR3-TM2	chr8	27673020	chr8	35689922	SCAR3	ENST00000261693	chr8	27673020	TM2	ENST00000360565	chr8	35689922	N.SUTR-SUTR:1X	0	0	1	ter3	SUTR-SUTR
SCAR1-EIF3D	chr12	124777640	chr22	36526905	SCAR1	ENST00000261693	chr12	124777640	EIF3D	ENST00000455547	chr22	36526905	N.SUTR-SUTR	0	0	1	ter3	NA
SCAR1-EEA1	chr12	124777640	chr12	92835427	SCAR1	ENST00000261693	chr12	124777640	EEA1	ENST00000323249	chr12	92835427	N.SUTR-ND:15X	0	0	1	ter3	NA
SCAR1-RIMP2	chr12	124786357	chr12	130517917	SCAR1	ENST00000261693	chr12	124786357	RIMP2	ENST00000535703	chr12	130517917	N.CDS-SUTR:24X	0	0	1	ter2	CDS-SUTR
SCAR1-SUB1	chr12	124863595	chr12	32598961	SCAR1	ENST00000546215	chr12	124863595	SUB1	ENST00000265073	chr12	32598961	Y.CDS-CDS	0	1	1	ter1	In-frame
SCAR1-SFSWAP	chr12	124863595	chr12	131725405	SCAR1	ENST00000546215	chr12	124863595	SFSWAP	ENST00000261674	chr12	131725405	Y.CDS-CDS	0	1	0	0	0
SCAR1-DHX37	chr12	124863595	chr12	124977490	SCAR1	ENST00000546215	chr12	124863595	DHX37	ENST00000308736	chr12	124977490	Y.CDS-CDS	0	1	1	ter1	In-frame
SCAR1-SFSWAP	chr12	124863595	chr12	131725405	SCAR1	ENST00000546215	chr12	124863595	SFSWAP	ENST00000261674	chr12	131725405	Y.CDS-CDS	0	1	0	0	0
SCAR1-DHX37	chr12	124863595	chr12	124977490	SCAR1	ENST00000546215	chr12	124863595	DHX37	ENST00000308736	chr12	124977490	Y.CDS-CDS	0	1	1	ter1	In-frame
SCAR2-SGMS1	chr4	76213427	chr10	50344345	SCAR2	ENST00000264896	chr4	76213427	SGMS1	ENST00000361781	chr10	50344345	Y.CDS-SUTR:2X	0	0	1	ter1	CDS-SUTR
SCAR2-NIPSNAP1	chr4	76213427	chr22	29561862	SCAR2	ENST00000264896	chr4	76213427	NIPSNAP1	ENST00000216121	chr22	29561862	N.CDS-CDS	0	0	1	ter1	Out-of-frame
SCD-GRP19	chr10	100348346	chr12	12662470	SCD	ENST00000370355	chr10	100348346	GRP19	ENST00000332427	chr12	12662470	N.CDS-SUTR	0	0	1	ter1	CDS-SUTR
SCD3-CEP1A2	chr10	100356794	chr10	12148955	SCD3	ENST00000370355	chr10	100356794	CEP1A2	ENST00000296478	chr10	12148955	Y.CDS-CDS	0	1	1	ter1	In-frame
SCDS-STAP1	chr4	82636591	chr4	67606296	SCDS	ENST00000395440	chr4	82636591	STAP1	ENST00000265404	chr4	67606296	Y.CDS-CDS	0	1	1	ter1	In-frame
SCDS-STAP1	chr4	82636591	chr4	67606296	SCDS	ENST00000319540	chr4	82636591	STAP1	ENST00000265404	chr4	67606296	Y.CDS-CDS	0	1	1	ter1	In-frame
SCDS-SEC31A	chr4	82798306	chr4	82844509	SCDS	ENST00000273908	chr4	82798306	SEC31A	ENST00000264405	chr4	82844509	N.CDS-CDS:2X	0	0	1	ter1	Out-of-frame
SCDS-HNRNPDL	chr4	82798306	chr4	82428446	SCDS	ENST00000273908	chr4	82798306	HNRNPDL	ENST00000295470	chr4	82428446	N.CDS-CDS	0	1	0	0	0
SCEL-LMO7	chr13	77567113	chr13	75853092	SCEL	ENST00000349847	chr13	77567113	LMO7	ENST00000321797	chr13	75853092	Y.CDS-CDS	0	1	0	0	0
SCFD2-SPINK2	chr4	53145333	chr4	56820579	SCFD2	ENST00000388940	chr4	53145333	SPINK2	ENST00000248701	chr4	56820579	Y.CDS-CDS	0	1	1	ter1	In-frame
SCFD2-LHX1	chr4	53145333	chr4	53525958	SCFD2	ENST00000388940	chr4	53145333	LHX1	ENST00000265073	chr4	53525958	N.CDS-SUTR:22X	0	0	1	ter2	In-frame
SCFD2-NARS2	chr4	53145333	chr4	53525958	SCFD2	ENST00000388940	chr4	53145333	NARS2	ENST00000281038	chr4	53525958	Y.CDS-CDS	0	1	1	ter2	In-frame
SCFD2-FIP1L1	chr4	53145333	chr4	53425872	SCFD2	ENST00000388940	chr4	53145333	FIP1L1	ENST00000306932	chr4	53425872	Y.CDS-CDS	0	0	1	ter1	In-frame
SCFD2-GSX2	chr4	53145333	chr4	54101582	SCFD2	ENST00000388940	chr4	53145333	GSX2	ENST00000328902	chr4	54101582	N.CDS-CDS:12X	0	0	1	ter1	Out-of-frame
SCDG-PTGS1	chr2	223598966	chr9	122377899	SCDG	ENST00000305409	chr2	223598966	PTGS1	ENST00000232423	chr9	122377899	N.CDS-CDS:3X	0	0	1	ter4	Out-of-frame
SCGS-HBA2	chr15	32679804	chr16	173513	SCGS	ENST00000413748	chr15	32679804	HBA2	ENST00000251595	chr16	173513	N.CDS-CDS	0	1	0	0	0
SCGS-HBA2	chr15	32679804	chr16	173513	SCGS	ENST00000413748	chr15	32679804	HBA2	ENST00000251595	chr16	173513	N.CDS-CDS	0	1	0	0	0
SCGB1A-CADP1	chr11	62244808	chr11	62244808	SCGB1A	ENST00000244928	chr11	62244808	CADP1	ENST00000244928	chr11	62244808	N.SUTR-CDS:6X	0	0	1	ter3	SUTR-CDS
SCGB1D2-FADS2	chr11	61821381	chr11	61821381	SCGB1D2	ENST00000244928	chr11	61821381	FADS2	ENST00000517839	chr11	61821381	Y.CDS-CDS:1X	0	0	1	ter3	SUTR-CDS
SCGB2A2-MGP	chr11	62271068	chr12	1488														

SEC31A-EIF4G3	chr4	21050994	-	chr1	82842140	-	chr1	21050994	-	chr1	82842140	-	EIF4G3	ENST00000264211	-	chr1	21050994	-	N.CDS-SUTR-36X	0	0	1	1er2	CDS-SUTR
SEC31A-SCD5	chr4	82874611	-	chr4	82705413	-	chr4	82705413	-	chr4	82705413	-	SCD5	ENST00000273908	-	chr4	82705413	-	N.CDS-CDS19X	0	1	0	-	-
SEC31A-HNRNPDL	chr4	82874611	-	chr4	82874611	-	chr4	82874611	-	chr4	82874611	-	HNRNPDL	ENST00000261710	-	chr4	82874611	-	N.CDS-CDS19X	0	1	0	-	-
SEC31A-FAM175A	chr4	82891088	-	chr4	82891088	-	chr4	82891088	-	chr4	82891088	-	FAM175A	ENST00000321945	-	chr4	82891088	-	N.5UTR-CDS	0	0	1	1er1	SUTR-CDS
SEC31B-GRD1	chr10	10005361	-	chr10	85647397	-	chr10	10005361	-	chr10	85647397	-	GRD1	ENST00000327946	-	chr10	10005361	-	N.CDS-CDS-16X	0	0	1	1er1	SUTR-CDS
SEC61A1-INP4B	chr3	12806809	-	chr4	142028914	-	chr3	12806809	-	chr3	12806809	-	INP4B	ENST00000262992	-	chr4	142028914	-	Y.CDS-CDS	0	0	1	1er1	In-frame
SEC61A1-ELK3	chr3	128071682	-	chr12	96194545	-	chr3	128071682	-	chr3	128071682	-	ELK3	ENST00000228741	-	chr12	96194545	-	N.3UTR-SUTR-12X	0	0	1	3er3	SUTR-SUTR
SEC61A1-EIF2AK2	chr3	128071682	-	chr2	37115241	-	chr3	128071682	-	chr3	128071682	-	EIF2AK2	ENST00000233057	-	chr2	37115241	-	N.3UTR-ND-8X	0	0	1	1er4	NA
SEC62-PIHC3	chr3	169989865	-	chr3	170122744	-	chr3	169989865	-	chr3	170122744	-	PIHC3	ENST00000467570	-	chr3	170122744	-	N.CDS-CDS-3X	0	0	1	1er4	Out-of-frame
SEC63-FIC4	chr6	107876564	-	chr6	107876564	-	chr6	107876564	-	chr6	107876564	-	FIC4	ENST00000230124	-	chr6	107876564	-	N.CDS-CDS-38X	0	0	1	1er2	Out-of-frame
SEC63-PCBP2	chr6	107893482	-	chr12	53459272	-	chr6	107893482	-	chr6	107893482	-	PCBP2	ENST00000359282	-	chr12	53459272	-	Y.CDS-CDS	0	1	1	1er3	In-frame
SECISBP2-ENY2	chr9	89319797	-	chr9	89319797	-	chr9	89319797	-	chr9	89319797	-	ENY2	ENST000000521662	-	chr9	89319797	-	N.CDS-CDS	0	1	0	-	-
SECISBP2-NEDD4L	chr9	89341479	-	chr18	58396167	-	chr9	89341479	-	chr9	89341479	-	NEDD4L	ENST00000356462	-	chr18	58396167	-	N.CDS-CDS-36X	0	1	1	1er1	Out-of-frame
SEH1L-IMP2	chr18	11999054	-	chr18	12951905	-	chr18	11999054	-	chr18	12951905	-	IMP2	ENST00000262124	-	chr18	12951905	-	Y.CDS-CDS	0	0	1	1er1	In-frame
SEL1L-CHURC1	chr14	81484225	-	chr14	81484225	-	chr14	81484225	-	chr14	81484225	-	CHURC1	ENST00000549115	-	chr14	81484225	-	Y.CDS-CDS	0	1	1	1er1	In-frame
SEL1L-CHURC1	chr14	81484225	-	chr14	81484225	-	chr14	81484225	-	chr14	81484225	-	CHURC1	ENST00000607599	-	chr14	81484225	-	Y.CDS-CDS	0	1	1	1er1	In-frame
SEL1L-CHURC1	chr14	81484225	-	chr14	81484225	-	chr14	81484225	-	chr14	81484225	-	CHURC1	ENST00000548753	-	chr14	81484225	-	Y.CDS-CDS	0	1	1	1er1	In-frame
SEL1L-ANGEL1	chr14	81485672	-	chr14	76809643	-	chr14	81485672	-	chr14	76809643	-	ANGEL1	ENST00000251089	-	chr14	76809643	-	Y.CDS-CDS	0	1	1	1er1	In-frame
SEL1L-SERTAD2	chr14	81526733	-	chr14	81526733	-	chr14	81526733	-	chr14	81526733	-	SERTAD2	ENST00000313349	-	chr2	64636875	-	N.CDS-SUTR	0	0	1	1er1	CDS-SUTR
SEL1L-MIOS	chr14	81533675	-	chr7	7585636	-	chr14	81533675	-	chr14	81533675	-	MIOS	ENST00000340080	-	chr7	7585636	-	Y.CDS-CDS	0	0	1	1er1	In-frame
SEL1L3-CKAR	chr4	25757534	-	chr4	26483283	-	chr4	25757534	-	chr4	26483283	-	CKAR	ENST00000295589	-	chr4	26483283	-	N.CDS-CDS-52X	0	1	1	1er2	Out-of-frame
SEL1L3-COQ10A	chr4	25802283	-	chr12	56267794	-	chr4	25802283	-	chr12	56267794	-	COQ10A	ENST00000456454	-	chr12	56267794	-	N.CDS-CDS-17X	0	1	0	-	Out-of-frame
SEL1L3-HSD17B13	chr4	25833448	-	chr4	87318436	-	chr4	25833448	-	chr4	87318436	-	HSD17B13	ENST00000328546	-	chr4	87318436	-	N.CDS-CDS-75X	0	0	1	3er3	Out-of-frame
SEM3A-MDFC	chr7	81494475	-	chr7	115015688	-	chr7	81494475	-	chr7	115015688	-	MDFC	ENST00000257724	-	chr7	115015688	-	Y.CDS-CDS	0	1	0	-	-
SEM3B-ALS2CR12	chr3	50271480	-	chr2	201289785	-	chr3	50271480	-	chr2	201289785	-	ALS2CR12	ENST00000286190	-	chr2	201289785	-	N.CDS-CDS-4X	0	0	1	1er1	Out-of-frame
SEM3B-PPP1R12C	chr7	80789306	-	chr19	55103568	-	chr7	80789306	-	chr19	55103568	-	PPP1R12C	ENST00000263433	-	chr19	55103568	-	N.CDS-CDS-4X	0	0	1	1er1	In-frame
SEM3C-AUTS2	chr7	80789306	-	chr7	70435752	-	chr7	80789306	-	chr7	70435752	-	AUTS2	ENST00000342771	-	chr7	70435752	-	N.CDS-CDS-24X	0	1	1	1er1	Out-of-frame
SEM3C-CNTNAP2	chr7	80916679	-	chr7	148415417	-	chr7	80916679	-	chr7	148415417	-	CNTNAP2	ENST00000361727	-	chr7	148415417	-	Y.CDS-CDS	0	1	0	-	-
SEM3C-CD36	chr7	80916679	-	chr7	80916679	-	chr7	80916679	-	chr7	80916679	-	CD36	ENST00000309881	-	chr7	80916679	-	N.CDS-CDS	0	1	0	-	-
SEM3C-FAM178B	chr2	96867493	-	chr2	96867493	-	chr2	96867493	-	chr2	96867493	-	FAM178B	ENST00000393526	-	chr2	96867493	-	N.5UTR-SUTR-8X	0	0	1	1er1	CDS-SUTR
SEM3D-KCNJ1	chr7	85097805	-	chr8	36864404	-	chr7	85097805	-	chr8	36864404	-	KCNJ1	ENST00000399881	-	chr8	36864404	-	N.CDS-CDS	0	0	1	1er1	CDS-SUTR
SEM3D-KCNJ1	chr7	85127141	-	chr8	36864404	-	chr7	85127141	-	chr8	36864404	-	KCNJ1	ENST00000399881	-	chr8	36864404	-	Y.CDS-CDS	0	1	0	-	-
SEM3D-RBM28	chr7	85153608	-	chr7	128339791	-	chr7	85153608	-	chr7	128339791	-	RBM28	ENST00000230733	-	chr7	128339791	-	N.5UTR-CDS-3X	0	0	1	1er1	SUTR-CDS
SEM3F-RNF123	chr3	50159734	-	chr3	49704650	-	chr3	50159734	-	chr3	49704650	-	RNF123	ENST00000327697	-	chr3	49704650	-	Y.CDS-CDS	0	1	1	1er2	In-frame
SEM3F-RNF123	chr3	50159734	-	chr3	49704650	-	chr3	50159734	-	chr3	49704650	-	RNF123	ENST00000327697	-	chr3	49704650	-	Y.CDS-CDS	0	1	1	1er2	In-frame
SEM3F-RNF123	chr3	50048245	-	chr3	50048245	-	chr3	50048245	-	chr3	50048245	-	RNF123	ENST00000327697	-	chr3	50048245	-	N.CDS-CDS	0	1	1	1er1	In-frame
SEM3F-RBM6	chr3	50176861	-	chr3	50048245	-	chr3	50176861	-	chr3	50048245	-	RBM6	ENST00000266022	-	chr3	50048245	-	Y.CDS-CDS	0	0	1	1er1	In-frame
SEM3F-RBM6	chr3	50176861	-	chr3	50057728	-	chr3	50176861	-	chr3	50057728	-	RBM6	ENST00000266022	-	chr3	50057728	-	Y.CDS-CDS	0	1	1	1er2	In-frame
SEM3F-RBM6	chr3	50176861	-	chr3	50057728	-	chr3	50176861	-	chr3	50057728	-	RBM6	ENST00000266022	-	chr3	50057728	-	Y.CDS-CDS	0	1	1	1er2	In-frame
SEM4A-DAP3	chr1	156163094	-	chr1	156163094	-	chr1	156163094	-	chr1	156163094	-	DAP3	ENST00000343043	-	chr1	156163094	-	Y.CDS-CDS	0	1	0	-	-
SEM4B-ZNF710	chr15	90185081	-	chr15	90079660	-	chr15	90185081	-	chr15	90079660	-	ZNF710	ENST00000268154	-	chr15	90079660	-	N.CDS-CDS-2X	0	0	1	1er1	SUTR-CDS
SEM4B-PIA1	chr15	90185081	-	chr15	90185081	-	chr15	90185081	-	chr15	90185081	-	PIA1	ENST00000249636	-	chr15	90185081	-	N.5UTR-CDS	0	0	1	1er3	SUTR-CDS
SEM4B-ZNF710	chr15	90087110	-	chr15	90087110	-	chr15	90087110	-	chr15	90087110	-	ZNF710	ENST00000268154	-	chr15	90087110	-	N.5UTR-SUTR	0	0	1	1er1	In-frame
SEM4B-WDR93	chr15	90185081	-	chr15	89712026	-	chr15	90185081	-	chr15	89712026	-	WDR93	ENST00000268130	-	chr15	89712026	-	N.5UTR-CDS	0	0	1	1er2	SUTR-CDS
SEM4B-CIB2	chr15	90185081	-	chr15	78111276	-	chr15	90185081	-	chr15	78111276	-	CIB2	ENST00000258930	-	chr15	78111276	-	N.5UTR-CDS	0	0	1	1er1	SUTR-CDS
SEM4B-CERS3	chr15	90201735	-	chr15	90201735	-	chr15	90201735	-	chr15	90201735	-	CERS3	ENST00000394113	-	chr15	90201735	-	N.CDS-CDS	0	1	0	-	-
SEM4B-ZNF710	chr15	90221765	-	chr15	90071110	-	chr15	90221765	-	chr15	90071110	-	ZNF710	ENST00000268154	-	chr15	90071110	-	N.CDS-SUTR	0	0	1	1er1	CDS-SUTR
SEM4C-FAM178B	chr2	96861579	-	chr2	96861579	-	chr2	96861579	-	chr2	96861579	-	FAM178B	ENST00000490605	-	chr2	96861579	-	N.CDS-CDS-11X	0	0	1	1er1	Out-of-frame
SEM4C-FAM178B	chr2	96867493	-	chr2	96867493	-	chr2	96867493	-	chr2	96867493	-	FAM178B	ENST00000393526	-	chr2	96867493	-	N.CDS-CDS	0	1	1	1er3	In-frame
SEM4C-FAM178B	chr2	96867493	-	chr2	96867493	-	chr2	96867493	-	chr2	96867493	-	FAM178B	ENST00000393526	-	chr2	96867493	-	N.5UTR-SUTR	0	0	1	1er3	SUTR-CDS
SEM4D-RGS3	chr9	89497919	-	chr9	113479491	-	chr9	89497919	-	chr9	113479491	-	RGS3	ENST00000317613	-	chr9	113479491	-	N.5UTR-CDS	0	0	1	1er2	SUTR-CDS
SEM4A-SLC6A19	chr5	9066421	-	chr5	1208746	-	chr5	9066421	-	chr5	1208746	-	SLC6A19	ENST00000304460	-	chr5	1208746	-	N.CDS-CDS	0	0	1	1er1	In-frame
SEM4B-PLS1	chr3	122948056	-	chr3	142703868	-	chr3	122948056	-	chr3	142703868	-	PLS1	ENST00000337777	-	chr3	142703868	-	N.CDS-CDS	0	0	1	1er1	Out-of-frame
SEM4A-DTW2	chr5	116574185	-	chr5	118944649	-	chr5	116574185	-	chr5	118944649	-	DTW2	ENST00000304058	-	chr5	118944649	-	N.5UTR-CDS	0	0	1	1er1	SUTR-CDS
SEM4D-EXD1	chr15	47117892	-	chr15	41195855	-	chr15	47117892	-	chr15	41195855	-	EXD1	ENST00000334992	-	chr15	41195855	-	N.CDS-CDS-1X	0	0	1	1er1	SUTR-CDS
SEM4D-EXD1	chr15	47117892	-	chr15	41195855	-	chr15	47117892	-	chr15	41195855	-	EXD1	ENST00000334992	-	chr15	41195855	-	N.CDS-CDS-1X	0	0	1	1er1	SUTR-CDS

SMU1-BAGAL1	chr9	33088824	chr9	33104781	chr9	33088824	B4GAL1	ENST0000053206	chr9	33104781	Y-CDS-CDS	0	0	1	1	In-frame
SMUG1-PPR25A	chr12	54182504	chr12	54182504	chr12	54182504	PPR25A	ENST00000261461	chr12	54182504	Y-CDS-CDS	0	0	1	1	In-frame
SMUR1-CLAR	chr7	99143726	chr7	99143726	chr7	99143726	CLAR	ENST00000309855	chr7	99143726	Y-CDS-SUTR-3X	0	0	1	1	Out-of-frame
SMURF1-CAKAP9	chr7	92082522	chr7	92082522	chr7	92082522	CAKAP9	ENST00000356239	chr7	92082522	Y-CDS-CDS	0	0	1	1	Out-of-frame
SMURF1-PTCD1	chr7	99143726	chr7	99143726	chr7	99143726	PTCD1	ENST00000292478	chr7	99143726	N-CDS-CDS	0	0	1	1	Out-of-frame
SMURF1-DNAJC2	chr7	99143726	chr7	99143726	chr7	99143726	DNAJC2	ENST00000249270	chr7	99143726	N-CDS-CDS	0	0	1	1	NA
SMURF1-TRIM4	chr7	99143726	chr7	99143726	chr7	99143726	TRIM4	ENST00000349062	chr7	99143726	N-CDS-CDS	0	1	2	1	Out-of-frame
SMURF1-AZGP1	chr7	99143726	chr7	99143726	chr7	99143726	AZGP1	ENST00000292401	chr7	99143726	N-CDS-CDS	0	0	1	1	In-frame
SMURF1-KPNA7	chr7	99143726	chr7	99143726	chr7	99143726	KPNA7	ENST00000327442	chr7	99143726	Y-CDS-CDS	0	0	1	1	In-frame
SMURF1-SLC26A5	chr7	99143726	chr7	99143726	chr7	99143726	SLC26A5	ENST00000339444	chr7	99143726	Y-CDS-CDS	0	0	1	1	In-frame
SMURF1-GJC3	chr7	99143726	chr7	99143726	chr7	99143726	GJC3	ENST00000312891	chr7	99143726	Y-CDS-CDS	0	0	3	2	In-frame
SMURF2-UBAC2	chr17	64583461	chr17	64583461	chr17	64583461	UBAC2	ENST00000376440	chr17	64583461	Y-CDS-CDS	0	1	1	1	In-frame
SMURF2-TEK3	chr17	64586086	chr17	64586086	chr17	64586086	TEK3	ENST00000338696	chr17	64586086	N-CDS-SUTR-6X	0	0	1	1	In-frame
SMURF2-LRRC37A3	chr17	64685889	chr17	64685889	chr17	64685889	LRRC37A3	ENST00000319651	chr17	64685889	N-CDS-CDS	0	1	1	1	Out-of-frame
SMURF2-GNA13	chr17	64685829	chr17	64685829	chr17	64685829	GNA13	ENST00000439174	chr17	64685829	N-CDS-CDS	0	0	1	1	Out-of-frame
SMURF2-NGFR	chr17	64685829	chr17	64685829	chr17	64685829	NGFR	ENST00000172229	chr17	64685829	N-CDS-CDS	0	1	0	1	Out-of-frame
SMURF2-DEDD2	chr17	646861829	chr17	646861829	chr17	646861829	DEDD2	ENST00000336034	chr17	646861829	Y-CDS-CDS	0	0	1	1	In-frame
SMYD2-PTPA4	chr1	214281427	chr1	214281427	chr1	214281427	PTPA4	ENST00000370651	chr1	214281427	Y-CDS-SUTR-7X	0	0	1	1	In-frame
SMYD2-PGBD2	chr1	214281427	chr1	214281427	chr1	214281427	PGBD2	ENST00000329291	chr1	214281427	N-CDS-SUTR-2X	0	0	1	1	In-frame
SMYD2-LPGAT1	chr1	214324708	chr1	214324708	chr1	214324708	LPGAT1	ENST00000369696	chr1	214324708	Y-CDS-CDS	0	1	1	1	In-frame
SMYD2-PRXK1	chr1	214327274	chr1	214327274	chr1	214327274	PRXK1	ENST00000369698	chr1	214327274	Y-CDS-CDS	0	1	1	1	In-frame
SMYD3-COP4	chr1	245754041	chr1	245754041	chr1	245754041	COP4	ENST00000247704	chr1	245754041	N-SUTR-CDS-15X	0	1	1	1	In-frame
SMYD3-ZMYM4	chr1	246327201	chr1	246327201	chr1	246327201	ZMYM4	ENST00000314607	chr1	246327201	Y-CDS-CDS	0	1	1	1	In-frame
SMYD3-TRIM58	chr1	246327201	chr1	246327201	chr1	246327201	TRIM58	ENST00000366481	chr1	246327201	Y-CDS-CDS	0	1	1	1	In-frame
SMYD3-WLS	chr1	246355031	chr1	246355031	chr1	246355031	WLS	ENST00000262348	chr1	246355031	N-CDS-CDS-2X	0	1	1	1	Out-of-frame
SMYD3-WLS	chr1	246355031	chr1	246355031	chr1	246355031	WLS	ENST00000354777	chr1	246355031	N-CDS-ND-2X	0	1	1	1	Out-of-frame
SMYD3-EDARADD	chr1	246504924	chr1	246504924	chr1	246504924	EDARADD	ENST00000334232	chr1	246504924	N-CDS-CDS	0	0	1	1	SUTR-CDS
SMYD3-ZNF95	chr1	246504924	chr1	246504924	chr1	246504924	ZNF95	ENST00000465049	chr1	246504924	N-CDS-SUTR-1X	0	0	1	1	SUTR-CDS
SMYD4-SERPINF1	chr17	1769852	chr17	1769852	chr17	1769852	SERPINF1	ENST00000254722	chr17	1769852	Y-CDS-CDS	0	2	1	1	In-frame
SMYD4-TUSC5	chr17	1298251	chr17	1298251	chr17	1298251	TUSC5	ENST00000338131	chr17	1298251	N-CDS-CDS-1X	0	0	1	1	Out-of-frame
SNAI1-PFDN4	chr20	49984351	chr20	49984351	chr20	49984351	PFDN4	ENST00000371419	chr20	49984351	N-CDS-CDS	0	1	2	1	Out-of-frame
SNAP29-MAPK1	chr22	20870533	chr22	20870533	chr22	20870533	MAPK1	ENST00000398822	chr22	20870533	Y-CDS-CDS	0	1	0	1	-
SNAP29-IGLL1	chr22	20870533	chr22	20870533	chr22	20870533	IGLL1	ENST00000330377	chr22	20870533	Y-CDS-CDS	0	0	1	1	In-frame
SNAP1-SCPHB	chr6	83593478	chr6	83593478	chr6	83593478	SCPHB	ENST00000320393	chr6	83593478	Y-CDS-CDS	0	0	1	1	In-frame
SNAP1-SMPX	chrX	83593478	chrX	83593478	chrX	83593478	SMPX	ENST00000379494	chrX	83593478	N-CDS-CDS-2X	0	0	1	1	Out-of-frame
SNAPC1-PRKCH	chr14	61778910	chr14	61778910	chr14	61778910	PRKCH	ENST00000332981	chr14	61778910	Y-CDS-CDS	0	1	0	1	-
SNAPC5-BP1FB4	chr15	66497642	chr15	66497642	chr15	66497642	BP1FB4	ENST00000375483	chr15	66497642	Y-CDS-CDS	0	1	0	1	-
SNAPC5-BP1FB4	chr15	66497642	chr15	66497642	chr15	66497642	BP1FB4	ENST00000375483	chr15	66497642	Y-CDS-CDS	0	1	0	1	-
SNAPC5-BP1FB4	chr15	66497642	chr15	66497642	chr15	66497642	BP1FB4	ENST00000375483	chr15	66497642	Y-CDS-CDS	0	1	0	1	-
SNAPIN-FMNL1	chr1	56359596	chr1	56359596	chr1	56359596	FMNL1	ENST00000328118	chr1	56359596	Y-CDS-CDS	0	1	1	1	In-frame
SNAPIN-PUM1	chr1	56359596	chr1	56359596	chr1	56359596	PUM1	ENST00000424085	chr1	56359596	Y-CDS-CDS	0	1	1	1	In-frame
SNCAIP-CSNK1G3	chr5	122403865	chr5	122403865	chr5	122403865	CSNK1G3	ENST00000345990	chr5	122403865	N-CDS-SUTR-3X	0	0	1	1	CDS-SUTR
SND1-GRM8	chr7	127721400	chr7	127721400	chr7	127721400	GRM8	ENST00000339582	chr7	127721400	N-CDS-CDS-8X	0	0	1	1	Out-of-frame
SND1-AKAP9	chr7	127807573	chr7	127807573	chr7	127807573	AKAP9	ENST00000356239	chr7	127807573	N-CDS-CDS-12X	0	0	1	1	Out-of-frame
SND1-IMMP2L	chr7	127929329	chr7	127929329	chr7	127929329	IMMP2L	ENST00000331762	chr7	127929329	N-CDS-CDS-16X	0	0	1	1	Out-of-frame
SNED1-PPP1R7	chr2	240999050	chr2	240999050	chr2	240999050	PPP1R7	ENST00000234038	chr2	240999050	Y-ND-CDS	0	1	0	1	-
SNED1-PPP1R7	chr2	240999050	chr2	240999050	chr2	240999050	PPP1R7	ENST00000234038	chr2	240999050	Y-CDS-CDS	0	0	1	1	In-frame
SNED1-PPP1R7	chr2	240999050	chr2	240999050	chr2	240999050	PPP1R7	ENST00000234038	chr2	240999050	Y-CDS-CDS	0	1	0	1	-
SNED1-HUJRP	chr2	240999050	chr2	240999050	chr2	240999050	HUJRP	ENST00000373395	chr2	240999050	N-CDS-SUTR-1X	0	0	1	1	In-frame
SNED1-HUJRP	chr2	240999050	chr2	240999050	chr2	240999050	HUJRP	ENST00000411486	chr2	240999050	N-CDS-SUTR	0	1	1	1	In-frame
SNHG1-SEC81A1	chr11	62855014	chr11	62855014	chr11	62855014	SEC81A1	ENST00000242323	chr11	62855014	N-SUTR-CDS	0	1	0	1	-
SNIP1-PUM1	chr1	3752645	chr1	3752645	chr1	3752645	PUM1	ENST00000257075	chr1	3752645	Y-CDS-CDS	0	1	1	1	In-frame
SNIP1-PUM1	chr1	3752645	chr1	3752645	chr1	3752645	PUM1	ENST00000424085	chr1	3752645	Y-CDS-CDS	0	1	1	1	In-frame
SNIP1-PUM1	chr1	3752645	chr1	3752645	chr1	3752645	PUM1	ENST00000424085	chr1	3752645	Y-CDS-CDS	0	1	1	1	In-frame
SNIP1-SNRC1	chr3	67400851	chr3	67400851	chr3	67400851	SNRC1	ENST00000307227	chr3	67400851	Y-CDS-SUTR	0	0	1	1	In-frame
SNRP40-SPOCD1	chr1	31801705	chr1	31801705	chr1	31801705	SPOCD1	ENST00000257100	chr1	31801705	Y-CDS-SUTR	0	0	1	1	CDS-SUTR
SNRP40-MAP2K5	chr15	67748231	chr15	67748231	chr15	67748231	MAP2K5	ENST00000178640	chr15	67748231	Y-CDS-CDS	0	1	1	1	Out-of-frame
SNRP40-EPB41	chr1	29039254	chr1	29039254	chr1	29039254	EPB41	ENST00000343067	chr1	29039254	N-CDS-CDS-6X	0	1	1	1	Out-of-frame
SNRP40-PEF1	chr1	31635522	chr1	31635522	chr1	31635522	PEF1	ENST00000373703	chr1	31635522	Y-CDS-CDS	0	1	1	1	In-frame
SNRP40-SITK3	chr6	7594159	chr6	7594159	chr6	7594159	SITK3	ENST00000519420	chr6	7594159	N-CDS-SUTR	0	0	1	1	CDS-SUTR
SNRP40-SITK3	chr6	7594159	chr6	7594159	chr6	7594159	SITK3	ENST00000519420	chr6	7594159	Y-CDS-CDS	0	0	1	1	In-frame
SNRP70-TIMM44	chr19	49086561	chr19	49086561	chr19	49086561	TIMM44	ENST00000270538	chr19	49086561	Y-CDS-CDS	0	1	0	1	-
SNRP70-CDC42EP	chr19	49086561	chr19	49086561	chr19	49086561	CDC42EP	ENST00000301200	chr19	49086561	Y-CDS-SUTR-1X	0	0	1	1	CDS-SUTR
SNRP70-GALT	chr19	49108191	chr19	49108191	chr19	49108191	GALT	ENST00000378842	chr19	49108191	N-CDS-CDS-4X	0	1	0	1	-
SNRP70-ZNFXX1	chr19	49108603	chr19	49108603	chr19	49108603	ZNFXX1	ENST00000371752	chr19	49108603	N-SUTR-SUTR	0	0	1	1	CDS-SUTR
SNRPA-ANKRD24	chr19	40751481	chr19	40751481	chr19	40751481	ANKRD24	ENST00000318834	chr19	40751481	N-CDS-CDS	0	0	1	1	Out-of-frame
SNRPA-ANKRD24	chr19	40751481	chr19	40751481	chr19	40751481	ANKRD24	ENST00000318834	chr19	40751481	N-CDS-CDS	0	0	1	1	In-frame
SNRPA-ANKRD24	chr19	40751481	chr19	40751481	chr19	40751481	ANKRD24	ENST00000318834	chr19	40751481	N-CDS-CDS	0	0	1	1	In-frame
SNRPA-OSBP1A	chr18	24377535	chr18	24377535	chr18	24377535	OSBP1A	ENST00000194811	chr18	24377535	N-CDS-SUTR	0	0	1	1	Out-of-frame
SNRPN-CYFIP1	chr15	22933893	chr15	22933893	chr15	22933893	CYFIP1	ENST00000610365	chr15	22933893	N-SUTR-CDS	0	0	1	1	SUTR-CDS
SNRPN-CYFIP1	chr15	22933893	chr15	22933893	chr15	22933893	CYFIP1	ENST00000610365	chr15	22933893	N-SUTR-CDS	0	0	1	1	Out-of-frame
SNRPN-CYFIP1	chr15	22933893	chr15	22933893	chr15	22933893	CYFIP1	ENST00000610365	chr15	22933893	N-SUTR-CDS	0	0	1	1	Out-of-frame
SNRPN-CYFIP1	chr15	22933893	chr15	22933893	chr15	22933893	CYFIP1	ENST00000610365	chr15	22933893	N-SUTR-CDS	0	0	1	1	Out-of-frame
SNRPN-CYFIP1	chr															

SOX6-C20orf24	chr11	15986204	chr20	36609601	SOX6	ENST00000316399	chr11	15986204	C20orf24	ENST0000033852	chr20	36609601	YCDCS-CDS	0	1	1er1	In-frame
SOX6-C20orf24	chr11	15986204	chr20	36609601	SOX6	ENST00000316399	chr11	15986204	C20orf24	ENST0000034795	chr20	36609601	YCDCS-CDS	0	1	1er1	In-frame
SOX6-CALNT1	chr11	16318446	chr11	16318446	SOX6	ENST00000316399	chr11	16318446	BTBD10	ENST0000027174	chr11	16318446	YCDCS-CDS	0	1	1er1	In-frame
SOX6-BTBD10	chr11	16318446	chr11	16318446	SOX6	ENST00000316399	chr11	16318446	BTBD10	ENST0000027174	chr11	16318446	YCDCS-CDS	0	1	1er1	In-frame
SOX6-PTPRJ	chr11	16312747	chr11	16312747	SOX6	ENST00000528252	chr11	16312747	PTPRJ	ENST00000418331	chr11	16312747	N.CDS-CDS	0	1	2er1	Out-of-frame
SP1-WNT9B	chr12	53383622	chr17	46872517	SP1	ENST00000327443	chr12	53383622	WNT9B	ENST00000290015	chr17	46872517	N.CDS-CDS	0	0	1er2	Out-of-frame
SP1-NPFF	chr12	53383622	chr12	53383622	SP1	ENST00000327443	chr12	53383622	NPFF	ENST00000267017	chr12	53383622	N.CDS-CDS:14X	0	0	1er1	Out-of-frame
SP1-ATF7	chr12	53383622	chr12	53383622	SP1	ENST00000327443	chr12	53383622	ATF7	ENST00000548446	chr12	53383622	N.CDS-SUTR	0	0	1er1	CDS-3UTR
SP1-IGFBP6	chr12	53383622	chr12	53383622	SP1	ENST00000327443	chr12	53383622	IGFBP6	ENST00000301464	chr12	53383622	YCDCS-CDS	0	1	1er1	In-frame
SP1C12orf10	chr12	53305961	chr12	53305961	SP1C1	ENST00000327443	chr12	53305961	C12orf10	ENST00000267103	chr12	53305961	N.CDS-CDS:14X	0	1	1er1	Out-of-frame
SP100-GYF2	chr2	230416328	chr2	230416328	SP100	ENST00000264052	chr2	230416328	GYF2	ENST00000335563	chr2	230416328	N.CDS-CDS	0	0	1er2	Out-of-frame
SP140L-PDE6D	chr2	230392229	chr2	230392229	SP140L	ENST00000243810	chr2	230392229	PDE6D	ENST00000428104	chr2	230392229	N.CDS-SUTR	0	0	1er1	NA
SP3-STK39	chr2	173913070	chr2	173913070	SP3	ENST00000310015	chr2	173913070	STK39	ENST00000355999	chr2	173913070	YCDCS-CDS	0	0	1er1	In-frame
SP3-SLC8A1	chr2	173954873	chr2	173954873	SP3	ENST00000310015	chr2	173954873	SLC8A1	ENST00000332839	chr2	173954873	YCDCS-CDS	0	0	1er1	In-frame
SP3-SCRN3	chr2	173954873	chr2	173954873	SP3	ENST00000310015	chr2	173954873	SCRN3	ENST00000272732	chr2	173954873	YCDCS-CDS	0	1	1er1	In-frame
SP3-CLL4	chr2	173954873	chr2	173954873	SP3	ENST00000310015	chr2	173954873	CLL4	ENST00000284719	chr2	173954873	YCDCS-CDS	0	1	1er2	In-frame
SP3-CPR155	chr2	173954873	chr2	173954873	SP3	ENST00000310015	chr2	173954873	CPR155	ENST00000295500	chr2	173954873	YCDCS-CDS	0	1	1er1	In-frame
SP3-CYBRD1	chr2	173963761	chr2	173963761	SP3	ENST00000418194	chr2	173963761	CYBRD1	ENST00000404984	chr2	173963761	N.CDS-CDS	0	1	1er1	In-frame
SP3-CYBRD1	chr2	173963761	chr2	173963761	SP3	ENST00000418194	chr2	173963761	CYBRD1	ENST00000404984	chr2	173963761	YCDCS-CDS	0	1	1er1	In-frame
SP4-GPNMB	chr7	21429592	chr7	21429592	SP4	ENST00000222584	chr7	21429592	GPNMB	ENST00000258733	chr7	21429592	N.CDS-CDS	0	0	1er1	Out-of-frame
SP4-GPNMB	chr7	21429592	chr7	21429592	SP4	ENST00000222584	chr7	21429592	GPNMB	ENST00000258733	chr7	21429592	YCDCS-CDS	0	1	0	-
SPAG1-ANGPT1	chr8	100233337	chr8	100233337	SPAG1	ENST00000261809	chr8	100233337	ANGPT1	ENST00000297450	chr8	100233337	YCDCS-CDS	0	0	1er3	In-frame
SPAG1-CTCF	chr8	100233337	chr8	100233337	SPAG1	ENST00000261809	chr8	100233337	CTCF	ENST00000418177	chr8	100233337	YCDCS-CDS	0	1	1er2	In-frame
SPAG16-CACHD1	chr2	213297357	chr2	213297357	SPAG16	ENST00000272898	chr2	213297357	CACHD1	ENST00000290039	chr2	213297357	YCDCS-CDS	0	1	0	-
SPAG16-CUL3	chr2	213297357	chr2	213297357	SPAG16	ENST00000272898	chr2	213297357	CUL3	ENST00000264414	chr2	213297357	YCDCS-CDS	0	1	1er1	In-frame
SPAG16-CACHD1	chr2	213297357	chr2	213297357	SPAG16	ENST00000413312	chr2	213297357	CACHD1	ENST00000290039	chr2	213297357	YCDCS-CDS	0	1	0	-
SPAG16-CUL3	chr2	213297357	chr2	213297357	SPAG16	ENST00000413312	chr2	213297357	CUL3	ENST00000264414	chr2	213297357	YCDCS-CDS	0	1	1er1	In-frame
SPAG17-LRSAM1	chr1	118008044	chr1	118008044	SPAG17	ENST00000336338	chr1	118008044	LRSAM1	ENST00000300417	chr1	118008044	YCDCS-CDS	0	0	1er2	In-frame
SPAG17-RABGAP1L	chr1	118150543	chr1	118150543	SPAG17	ENST00000336338	chr1	118150543	RABGAP1L	ENST00000251507	chr1	118150543	YCDCS-CDS	0	0	1er1	In-frame
SPAG17-KIF11	chr1	118150543	chr1	118150543	SPAG17	ENST00000336338	chr1	118150543	KIF11	ENST00000285011	chr1	118150543	YCDCS-CDS	0	1	1er1	In-frame
SPAG5-SYTL1	chr17	28584150	chr17	28584150	SPAG5	ENST00000321765	chr17	28584150	SYTL1	ENST00000318074	chr17	28584150	N.CDS-CDS:10X	0	1	0	-
SPAG5-SDF2	chr17	28591698	chr17	28591698	SPAG5	ENST00000321765	chr17	28591698	SDF2	ENST00000247020	chr17	28591698	YCDCS-CDS	0	0	1er1	In-frame
SPAG5-BLMH	chr17	28598510	chr17	28598510	SPAG5	ENST00000321765	chr17	28598510	BLMH	ENST00000261714	chr17	28598510	N.CDS-CDS	0	1	0	-
SPAG6-PLXDC2	chr10	22368678	chr10	22368678	SPAG6	ENST00000313311	chr10	22368678	PLXDC2	ENST00000377252	chr10	22368678	N.CDS-CDS:4X	0	1	0	-
SPAG7-DNAH17	chr17	4967720	chr17	4967720	SPAG7	ENST00000575142	chr17	4967720	DNAH17	ENST00000389840	chr17	4967720	N.CDS-CDS	0	1	1er1	Out-of-frame
SPAG7-CAMT2	chr17	4967720	chr17	4967720	SPAG7	ENST00000575142	chr17	4967720	CAMT2	ENST00000340666	chr17	4967720	N.CDS-CDS	0	1	2er3	Out-of-frame
SPAG7-DNAH17	chr17	4967720	chr17	4967720	SPAG7	ENST00000575142	chr17	4967720	DNAH17	ENST00000389840	chr17	4967720	N.CDS-CDS	0	1	1er1	Out-of-frame
SPAG9-TRIM37	chr17	50979746	chr17	50979746	SPAG9	ENST00000262013	chr17	50979746	TRIM37	ENST00000262294	chr17	50979746	N.CDS-CDS:60X	0	0	1er1	Out-of-frame
SPAG9-TEKT1	chr17	50982524	chr17	50982524	SPAG9	ENST00000262013	chr17	50982524	TEKT1	ENST00000338694	chr17	50982524	YCDCS-CDS	0	1	1er1	In-frame
SPAG9-TEKT1	chr17	50982526	chr17	50982526	SPAG9	ENST00000262013	chr17	50982526	TEKT1	ENST00000338694	chr17	50982526	N.CDS-ND:67X	0	1	0	-
SPAG9-PCMT1	chr17	51047375	chr17	51047375	SPAG9	ENST00000262013	chr17	51047375	PCMT1	ENST00000367378	chr17	51047375	N.CDS-CDS:7X	0	0	1er1	Out-of-frame
SPAG9-SKAP1	chr17	51047375	chr17	51047375	SPAG9	ENST00000262013	chr17	51047375	SKAP1	ENST00000584524	chr17	51047375	N.CDS-CDS	0	1	0	-
SPAG9-SKAP1	chr17	51079584	chr17	51079584	SPAG9	ENST00000262013	chr17	51079584	SKAP1	ENST00000336915	chr17	51079584	YCDCS-CDS	0	1	1er1	In-frame
SPAG9-RDX	chr17	51079584	chr17	51079584	SPAG9	ENST00000262013	chr17	51079584	RDX	ENST00000343115	chr17	51079584	N.CDS-CDS:3X	0	1	1er1	Out-of-frame
SPAG9-MBDT1	chr17	51079584	chr17	51079584	SPAG9	ENST00000262013	chr17	51079584	MBDT1	ENST00000415868	chr17	51079584	YCDCS-CDS	0	0	2er2	In-frame
SPAG9-FAM117A	chr17	51120354	chr17	51120354	SPAG9	ENST00000262013	chr17	51120354	FAM117A	ENST00000240364	chr17	51120354	YCDCS-CDS	0	1	0	-
SPAG9-CLYBL	chr17	51120354	chr17	51120354	SPAG9	ENST00000262013	chr17	51120354	CLYBL	ENST00000339105	chr17	51120354	YCDCS-CDS	0	1	1er1	In-frame
SPAG9-CLYBL	chr17	51120354	chr17	51120354	SPAG9	ENST00000262013	chr17	51120354	CLYBL	ENST00000339105	chr17	51120354	N.CDS-CDS	0	1	1er1	In-frame
SPAST5-UBP1	chr2	32064246	chr2	32064246	SPAST5	ENST00000320432	chr2	32064246	UBP1	ENST00000320432	chr2	32064246	N.CDS-CDS	0	1	1er3	Out-of-frame
SPAST-MEMO1	chr2	32064246	chr2	32064246	SPAST5	ENST00000320432	chr2	32064246	MEMO1	ENST00000295065	chr2	32064246	N.CDS-CDS	0	1	0	-
SPATA13-TNFRSF18	chr13	23590150	chr13	23590150	SPATA13	ENST00000382095	chr13	23590150	TNFRSF18	ENST00000248484	chr13	23590150	N.SUTR-SUTR	0	0	1er1	SUTR-SUTR
SPATA13-MIPEP	chr13	24224582	chr13	24224582	SPATA13	ENST00000382108	chr13	24224582	MIPEP	ENST00000382172	chr13	24224582	YCDCS-CDS	0	1	0	-
SPATA18-EXOC1	chr4	52051791	chr4	52051791	SPATA18	ENST00000295213	chr4	52051791	EXOC1	ENST00000346134	chr4	52051791	YCDCS-CDS	0	1	1er1	In-frame
SPATA20-EPN3	chr17	50548618	chr17	50548618	SPATA20	ENST00000066068	chr17	50548618	EPN3	ENST00000268933	chr17	50548618	YCDCS-CDS	0	0	1er1	In-frame
SPATA2L-FANCA	chr16	89745071	chr16	89745071	SPATA2	ENST00000290905	chr16	89745071	FANCA	ENST00000295028	chr16	89745071	N.CDS-SUTR	0	0	1er1	Out-of-frame
SPATAS-MMRN1	chr4	122947488	chr4	122947488	SPATAS	ENST00000274008	chr4	122947488	MMRN1	ENST00000264790	chr4	122947488	YCDCS-CDS	0	1	1er1	In-frame
SPATAS-CENPE	chr4	122979386	chr4	122979386	SPATAS	ENST00000274008	chr4	122979386	CENPE	ENST00000265148	chr4	122979386	YCDCS-CDS	0	1	1er2	In-frame
SPATA6-BEND5	chr1	48305787	chr1	48305787	SPATA6	ENST00000371843	chr1	48305787	BEND5	ENST00000371833	chr1	48305787	N.CDS-CDS:16X	0	1	1er1	Out-of-frame
SPATA6-BEND5	chr1	48305787	chr1	48305787	SPATA6	ENST00000371843	chr1	48305787	BEND5	ENST00000371833	chr1	48305787	N.CDS-CDS:18X	0	1	1er1	Out-of-frame
SPATA6-MAD2L2	chr1	48451552	chr1	48451552	SPATA6	ENST00000396199	chr1	48451552	MAD2L2	ENST00000235310	chr1	48451552	N.CDS-CDS:1X	0	1	1er1	Out-of-frame
SPATA6-MAD2L2	chr1	48451552	chr1	48451552	SPATA6	ENST00000396199	chr1	48451552	MAD2L2	ENST00000235310	chr1	48451552	N.CDS-CDS:1X	0	1	1er1	Out-of-frame
SPATA6-FKBP3	chr1	48471958	chr1	48471958	SPATA6	ENST00000371843	chr1	48471958	FKBP3	ENST00000371852	chr1	48471958	N.CDS-CDS:2X	0	1	1er3	Out-of-frame
SPATA6-BEND5	chr1	48471958	chr1	48471958	SPATA6	ENST00000371843	chr1	48471958	BEND5	ENST00000371833	chr1	48471958	YCDCS-CDS	0	1	0	-
SPATA6-BEND5	chr1	48471958	chr1	48471958	SPATA6	ENST00000371843	chr1	48471958	BEND5	ENST00000371833	chr1	48471958	YCDCS-CDS	0	1	0	-
SPATA6-CRYZ	chr1	48471958	chr1	48471958	SPATA6	ENST00000371843	chr1	48471958	CRYZ	ENST00000340866	chr1	48471958	N.CDS-SUTR	0	0	1er2	CDS-SUTR
SPATA6-GLIS3</																	

ST7-CAV1	ch7	116558946 +	-	ch7	116558946 +	-	CAV1	ENST00000265437	ch7	116558946 +	-	N.CDS-CDS	0	1	1	Out-of-frame
ST7-PTRZ1	ch7	116953691 +	-	ch7	116953691 +	-	PTRZ1	ENST00000393386	ch7	116953691 +	-	Y.CDS-CDS	0	1	1	In-frame
ST7-FX2P	ch7	116953691 +	-	ch7	116953691 +	-	FX2P	ENST00000350908	ch7	116953691 +	-	N.CDS-CDS	0	1	1	Out-of-frame
ST7-CAP2A	ch7	116888127 +	-	ch7	116888127 +	-	CAP2A	ENST00000361183	ch7	116888127 +	-	N.CDS-SUTR	0	0	1	CDS-SUTR
ST7-EXOC4	ch7	117015014 +	-	ch7	117015014 +	-	EXOC4	ENST00000253861	ch7	117015014 +	-	N.CDS-CDS	0	1	1	Out-of-frame
ST7-CNTNAP2	ch7	117209937 +	-	ch7	117209937 +	-	CNTNAP2	ENST00000361727	ch7	117209937 +	-	Y.CDS-CDS	0	1	1	In-frame
ST7L-CMSD2	ch1	112610841 -	-	ch1	112610841 -	-	CMSD2	ENST00000373381	ch1	112610841 -	-	Y.CDS-CDS	0	1	0	-
ST7L-AP2A2	ch1	112618909 -	-	ch1	112618909 -	-	AP2A2	ENST00000332231	ch1	112618909 -	-	N.CDS-CDS	0	1	1	Out-of-frame
ST8S1A1-FTO	ch12	22249006 -	-	ch12	22249006 -	-	FTO	ENST00000268349	ch12	22249006 -	-	N.CDS-CDS-8X	0	1	1	In-frame
ST8S1A1-IFLTD1	ch12	25549546 -	-	ch12	25549546 -	-	IFLTD1	ENST00000282881	ch12	25549546 -	-	N.SUTR-CDS	0	1	1	In-frame
ST8S1A1-AEBP2	ch12	19512398 +	-	ch12	19512398 +	-	AEBP2	ENST00000265808	ch12	19512398 +	-	Y.SUTR-CDS-1X	0	1	1	Out-of-frame
ST8S1A1-FTO	ch12	22249006 -	-	ch12	22249006 -	-	FTO	ENST00000471389	ch12	22249006 -	-	N.SUTR-CDS	0	1	1	In-frame
ST8S1A1-ABC09	ch12	22255280 -	-	ch12	22255280 -	-	ABC09	ENST00000261200	ch12	22255280 -	-	Y.CDS-CDS	0	1	0	-
STAG1-SPSB4	ch3	13639749 -	-	ch3	13639749 -	-	SPSB4	ENST00000310546	ch3	13639749 -	-	N.CDS-CDS-61X	0	1	1	Out-of-frame
STAG1-ANKS1B	ch3	13646481 -	-	ch3	13646481 -	-	ANKS1B	ENST00000329527	ch3	13646481 -	-	N.CDS-ND	0	1	1	Out-of-frame
STAG1-ANKS1B	ch3	13646481 -	-	ch3	13646481 -	-	ANKS1B	ENST00000547010	ch3	13646481 -	-	N.CDS-CDS-24X	0	1	1	Out-of-frame
STAG1-NCK1	ch3	136502628 -	-	ch3	136502628 -	-	NCK1	ENST00000288886	ch3	136502628 -	-	Y.CDS-SUTR-2X	0	1	1	CDS-SUTR
STAG1-FAM168A	ch3	136752195 -	-	ch3	136752195 -	-	FAM168A	ENST00000467778	ch3	136752195 -	-	N.SUTR-SUTR-1X	0	1	1	SUTR-SUTR
STAG1-P2RY13	ch3	136752195 -	-	ch3	136752195 -	-	P2RY13	ENST00000325602	ch3	136752195 -	-	N.SUTR-CDS-1X	0	1	1	SUTR-CDS
STAG1-CCDC77	ch3	136752195 -	-	ch3	136752195 -	-	CCDC77	ENST00000239830	ch3	136752195 -	-	N.SUTR-SUTR-1X	0	1	1	SUTR-SUTR
STAG2-AMMCR3	chX	110263086 +	-	chX	110263086 +	-	AMMCR3	ENST00000262844	chX	110263086 +	-	N.SUTR-CDS	0	1	1	Out-of-frame
STAG2-GR1A3	chX	124031125 +	-	chX	124031125 +	-	GR1A3	ENST00000541091	chX	124031125 +	-	N.CDS-CDS	0	1	1	Out-of-frame
STAG2-FAM49B	chX	129904585 -	-	chX	129904585 -	-	FAM49B	ENST00000419179	chX	129904585 -	-	N.CDS-SUTR	0	1	1	CDS-SUTR
STAG2-C16orf45	chX	124086770 +	-	chX	124086770 +	-	C16orf45	ENST00000300006	chX	124086770 +	-	Y.CDS-CDS	0	1	1	In-frame
STAM-EPYC	ch10	17644379 +	-	ch10	17644379 +	-	EPYC	ENST00000261172	ch10	17644379 +	-	N.SUTR-CDS	0	1	1	Out-of-frame
STAM2-NOSTRIN	ch2	168831472 +	-	ch2	168831472 +	-	NOSTRIN	ENST00000317647	ch2	168831472 +	-	N.CDS-CDS	0	1	0	-
STAMPB-AQP4	ch2	7331059 +	-	ch2	7331059 +	-	AQP4	ENST00000383168	ch2	7331059 +	-	Y.CDS-CDS	0	1	0	-
STAMPB-L1-ATAD1	ch10	88901738 -	-	ch10	88901738 -	-	ATAD1	ENST00000384448	ch10	88901738 -	-	N.SUTR-CDS	0	1	1	In-frame
STAMPB-L1-ATAD1	ch10	88901738 +	-	ch10	88901738 +	-	ATAD1	ENST00000384448	ch10	88901738 +	-	Y.CDS-CDS	0	1	1	In-frame
STAR10-CLCTL1	ch11	72780975 -	-	ch11	72780975 -	-	CLCTL1	ENST00000427928	ch11	72780975 -	-	Y.CDS-CDS	0	1	1	In-frame
STAR10-ZC3H12C	ch11	72780975 -	-	ch11	72780975 -	-	ZC3H12C	ENST00000278590	ch11	72780975 -	-	Y.CDS-CDS	0	1	1	In-frame
STAR13-KLF5	ch13	73061861 +	-	ch13	73061861 +	-	KLF5	ENST00000377687	ch13	73061861 +	-	N.CDS-CDS	0	1	1	Out-of-frame
STAR13-ABR	ch17	39637231 +	-	ch17	39637231 +	-	ABR	ENST00000291107	ch17	39637231 +	-	N.SUTR-CDS	0	1	1	SUTR-CDS
STAR13-PPP1R1B	ch17	39637231 +	-	ch17	39637231 +	-	PPP1R1B	ENST00000254079	ch17	39637231 +	-	N.SUTR-CDS	0	1	1	SUTR-CDS
STAR13-GSDMB	ch17	39904964 +	-	ch17	39904964 +	-	GSDMB	ENST00000309481	ch17	39904964 +	-	N.SUTR-CDS	0	1	1	SUTR-CDS
STAR13-JUP	ch17	41771862 +	-	ch17	41771862 +	-	JUP	ENST00000310706	ch17	41771862 +	-	N.SUTR-SUTR	0	1	1	SUTR-SUTR
STAR13-FAM20A	ch17	68551951 +	-	ch17	68551951 +	-	FAM20A	ENST00000226094	ch17	68551951 +	-	N.SUTR-SUTR-3X	0	1	1	SUTR-SUTR
STAR13-LVRAG	ch17	75888829 +	-	ch17	75888829 +	-	LVRAG	ENST00000356136	ch17	75888829 +	-	Y.CDS-CDS	0	1	0	-
STAR13-NFX	ch17	75888829 +	-	ch17	75888829 +	-	NFX	ENST00000360105	ch17	75888829 +	-	Y.CDS-CDS	0	1	0	-
STAR13-ARNTL2	ch17	75888829 +	-	ch17	75888829 +	-	ARNTL2	ENST00000318159	ch17	75888829 +	-	N.CDS-CDS	0	1	1	In-frame
STAR13-OAZ1	ch17	75888829 +	-	ch17	75888829 +	-	OAZ1	ENST00000581150	ch17	75888829 +	-	N.CDS-SUTR-1X	0	1	0	-
STAR13-FBLX20	ch17	75888829 +	-	ch17	75888829 +	-	FBLX20	ENST00000264658	ch17	75888829 +	-	Y.CDS-CDS	0	1	1	In-frame
STAR13-ACLY	ch17	75888829 +	-	ch17	75888829 +	-	ACLY	ENST00000352035	ch17	75888829 +	-	Y.CDS-CDS	0	1	0	-
STAR13-ACLY	ch17	75888829 +	-	ch17	75888829 +	-	ACLY	ENST00000353196	ch17	75888829 +	-	Y.CDS-CDS	0	1	0	-
STAR13-ASTN2	ch5	111501002 -	-	ch5	111501002 -	-	ASTN2	ENST00000313400	ch5	111501002 -	-	Y.CDS-CDS	0	1	1	In-frame
STAR13-LRRN1	ch2	96193242 +	-	ch2	96193242 +	-	LRRN1	ENST00000319533	ch2	96193242 +	-	N.CDS-SUTR-4X	0	1	1	CDS-SUTR
STAT1-SUMO1	ch2	190974830 -	-	ch2	190974830 -	-	SUMO1	ENST00000392244	ch2	190974830 -	-	Y.CDS-CDS	0	1	1	In-frame
STAT3-ETV4	ch17	42316789 -	-	ch17	42316789 -	-	ETV4	ENST00000319349	ch17	42316789 -	-	Y.CDS-CDS	0	1	1	In-frame
STAT3-C1orf43	ch17	42345559 -	-	ch17	42345559 -	-	C1orf43	ENST00000350592	ch17	42345559 -	-	N.CDS-CDS-7X	0	1	0	-
STAT3-KAT2A	ch17	42348389 -	-	ch17	42348389 -	-	KAT2A	ENST00000225916	ch17	42348389 -	-	N.CDS-CDS-3X	0	1	0	-
STAT3-KAT2A	ch17	42348389 -	-	ch17	42348389 -	-	KAT2A	ENST00000225916	ch17	42348389 -	-	N.CDS-CDS-3X	0	1	0	-
STAT3-NO2	ch17	42388279 -	-	ch17	42388279 -	-	NO2	ENST00000313735	ch17	42388279 -	-	N.SUTR-CDS	0	1	1	SUTR-CDS
STAT5A-ARNTL2	ch17	42257973 +	-	ch17	42257973 +	-	ARNTL2	ENST00000284448	ch17	42257973 +	-	Y.CDS-CDS	0	1	1	In-frame
STAT5A-ARNTL2	ch17	42257973 +	-	ch17	42257973 +	-	ARNTL2	ENST00000261178	ch17	42257973 +	-	Y.CDS-CDS	0	1	1	In-frame
STAT5B-STAT3	ch17	42252040 -	-	ch17	42252040 -	-	STAT3	ENST00000264657	ch17	42252040 -	-	N.CDS-CDS-34X	0	1	1	Out-of-frame
STAT5B-PFAS	ch17	42210171 -	-	ch17	42210171 -	-	PFAS	ENST00000314666	ch17	42210171 -	-	Y.CDS-CDS	0	1	1	In-frame
STAT6-PTRK9	ch12	80613592 +	-	ch12	80613592 +	-	PTRK9	ENST00000614701	ch12	80613592 +	-	N.CDS-CDS	0	1	0	-
STAU1-PREX1	ch20	49115782 +	-	ch20	49115782 +	-	PREX1	ENST00000371941	ch20	49115782 +	-	Y.CDS-CDS	0	1	0	-
STAU1-MAP1LC3A	ch20	34549095 +	-	ch20	34549095 +	-	MAP1LC3A	ENST00000374637	ch20	34549095 +	-	N.CDS-SUTR-2X	0	1	1	CDS-SUTR
STAU1-CYP26B1	ch20	48747860 -	-	ch20	48747860 -	-	CYP26B1	ENST00000515200	ch20	48747860 -	-	Y.CDS-CDS	0	1	1	In-frame
STAU1-CYP26B1	ch20	48747860 -	-	ch20	48747860 -	-	CYP26B1	ENST00000114146	ch20	48747860 -	-	Y.CDS-CDS	0	1	1	In-frame
STAU1-MRPL4	ch20	49174195 -	-	ch20	49174195 -	-	MRPL4	ENST00000253099	ch20	49174195 -	-	N.SUTR-CDS-3X	0	1	1	SUTR-CDS
STAU2-PDE7A	ch8	73552012 -	-	ch8	73552012 -	-	PDE7A	ENST00000379419	ch8	73552012 -	-	Y.CDS-CDS	0	1	0	-
STAU2-OSBP1	ch8	73595166 +	-	ch8	73595166 +	-	OSBP1	ENST00000313733	ch8	73595166 +	-	N.CDS-SUTR-33X	0	1	1	CDS-SUTR
STAU2-PLKHF2	ch8	73673107 -	-	ch8	73673107 -	-	PLKHF2	ENST00000315367	ch8	73673107 -	-	N.SUTR-6X	0	1	1	SUTR-6X
STAU2-LRRN1	ch8	73738284 -	-	ch8	73738284 -	-	LRRN1	ENST00000318282	ch8	73738284 -	-	N.CDS-CDS	0	1	1	In-frame
STAU2-MTRF1	ch8	73738284 -	-	ch8	73738284 -	-	MTRF1	ENST00000518352	ch8	73738284 -	-	N.SUTR-2X	0	1	1	NA
STAU2-RALYL	ch8	73746783 -	-	ch8	73746783 -	-	RALYL	ENST00000517638	ch8	73746783 -	-	N.SUTR-CDS	0	1	1	SUTR-CDS
STC2-TYK2	ch5	173314713 -	-	ch5	173314713 -	-	TYK2	ENST00000526211	ch5	173314713 -	-	N.SUTR-SUTR-151	0	1	1	SUTR-SUTR
STIM1-CLIP1	ch11	3856409 +	-	ch11	3856409 +	-	CLIP1	ENST00000302528	ch11	3856409 +	-	N.CDS-CDS	0	1	1	Out-of-frame
STIM1-NUP98	ch11	3856409 +	-	ch11	3856409 +	-	NUP98	ENST00000324932	ch11	3856409 +	-	Y.CDS-CDS	0	1	0	-
STIM1-PCAP2	ch11	3856409 +	-	ch11	3856409 +	-	PCAP2	ENST00000300730	ch11	3856409 +	-	Y.CDS-CDS	0	1	1	In-frame
STIM1-PCAP2	ch11	3856409 +	-	ch11	3856409 +	-	PCAP2	ENST00000300730	ch11	3856409 +	-	Y.CDS-CDS	0	1	1	In-frame
STIM1-GPR160	ch11	17003815 +	-	ch11	17003815 +	-	GPR160	ENST00000355897	ch11	17003815 +	-	N.CDS-SUTR-8X	0	1	1	CDS-SUTR
STIM1-VHL	ch11	10149787 +	-	ch11	10149787 +	-	VHL	ENST00000256474	ch11	10149787 +	-	Y.CDS-CDS	0	1	1	In-frame
STIM1-NUP98	ch11	3947724 +	-	ch11	3947724 +	-	NUP98	ENST00000324932	ch11	3947724 +	-	N.SUTR-CDS-5X	0	1	1	NA
STIM1-AN09	ch11	4023987 +	-	ch11	4023987 +	-	AN09	ENST00000332826	ch11	4023987 +	-	N.CDS-CDS-3X	0	1	1	Out-of-frame
STIM1-FITM2	ch11	4082351 +	-	ch11	4082351 +	-	FITM2	ENST00000398625	ch11	4082351 +	-	N.CDS-CDS-16X	0	1	1</	

STX5-WDR74	chr11	62831019	chr11	62839659	STX5	ENST00000294179	chr11	62831019	WDR74	ENST00000278856	chr11	62839659	N-CDS-SUTR	0	0	1	1er1	CDS-SUTR
STX5-WDR74	chr11	62831954	chr11	62839659	STX5	ENST00000294179	chr11	62831954	WDR74	ENST00000278856	chr11	62839659	N-SUTR-SUTR	0	0	3	2er2	SUTR-SUTR
STX6-TMX	chr1	17540566	chr1	17540566	STX6	ENST00000258301	chr1	17540566	TMX	ENST00000262061	chr1	17540566	N-SUTR-SUTR	0	0	1	1er1	CDS-SUTR
STX6-PRRC2C	chr1	18102906	chr1	171591587	STX6	ENST00000258301	chr1	18102906	PRRC2C	ENST00000424948	chr1	171591587	Y-CDS-CDS	0	0	1	0	Out-of-frame
STX6-SMYD3	chr1	181029397	chr1	245299337	STX6	ENST00000258301	chr1	181029397	SMYD3	ENST00000366516	chr1	245299337	Y-CDS-SUTR	0	0	1	1er1	Out-of-frame
STX7-LMBRD1	chr6	132503446	chr6	69676541	STX7	ENST00000367937	chr6	132503446	LMBRD1	ENST00000370570	chr6	69676541	Y-CDS-CDS	0	0	1	1er1	In-frame
STX8-RTN1	chr17	9378552	chr14	59607492	STX8	ENST00000368357	chr17	9378552	RTN1	ENST00000267484	chr14	59607492	Y-CDS-CDS	0	0	1	1er1	In-frame
STX8-TRIM6L	chr17	9491829	chr17	18734877	STX8	ENST00000368357	chr17	9491829	TRIM6L	ENST00000395671	chr17	18734877	Y-CDS-CDS	0	0	1	0	Out-of-frame
STX8-HSD17B4	chr9	9491829	chr5	11946315	STX8	ENST00000368357	chr9	9491829	HSD17B4	ENST00000292616	chr5	11946315	Y-CDS-CDS	0	0	1	0	Out-of-frame
STXBP1-SOX13	chr9	127612440	chr1	204112915	STXBP1	ENST00000373299	chr9	127612440	SOX13	ENST00000387203	chr1	204112915	N-CDS-SUTR1X	0	0	1	1er2	CDS-SUTR
STXBP1-CACNA2D2	chr9	12766353	chr3	50381126	STXBP1	ENST00000373299	chr9	12766353	CACNA2D2	ENST00000266039	chr3	50381126	N-CDS-CDS-11X	0	0	1	1er1	Out-of-frame
STXBP1-LRSAM1	chr9	127676753	chr9	127479839	STXBP1	ENST00000373299	chr9	127676753	LRSAM1	ENST00000300417	chr9	127479839	Y-CDS-CDS	0	0	1	0	Out-of-frame
STXBP2-TRIM4	chr19	7639807	chr7	99892746	STXBP2	ENST00000221283	chr19	7639807	TRIM4	ENST00000349062	chr7	99892746	N-CDS-CDS	0	0	1	1er1	Out-of-frame
STXBP3-MBD2	chr1	108753135	chr18	54164553	STXBP3	ENST00000370008	chr1	108753135	MBD2	ENST00000256429	chr18	54164553	Y-CDS-CDS	0	0	1	0	Out-of-frame
STXBP4-GRN	chr17	54990957	chr17	44352341	STXBP4	ENST00000376352	chr17	54990957	GRN	ENST00000053867	chr17	44352341	Y-CDS-CDS	0	0	1	0	Out-of-frame
STXBP4-MSI2	chr17	55073076	chr17	57615970	STXBP4	ENST00000376352	chr17	55073076	MSI2	ENST00000322884	chr17	57615970	Y-CDS-CDS	0	0	1	0	Out-of-frame
STXBP4-MSI2	chr17	55073076	chr17	57615970	STXBP4	ENST00000376352	chr17	55073076	MSI2	ENST00000322884	chr17	57615970	Y-CDS-CDS	0	0	1	0	Out-of-frame
STXBP4-MSI2	chr17	55073076	chr17	57615970	STXBP4	ENST00000376352	chr17	55073076	MSI2	ENST00000322884	chr17	57615970	Y-CDS-CDS	0	0	1	0	Out-of-frame
STXBP4-NIPA2	chr17	55081183	chr15	22858540	STXBP4	ENST00000376352	chr17	55081183	NIPA2	ENST00000337451	chr15	22858540	Y-CDS-CDS	0	0	1	0	Out-of-frame
STXBP5-SASH1	chr6	147239270	chr6	148468545	STXBP5	ENST00000321680	chr6	147239270	SASH1	ENST00000367467	chr6	148468545	Y-CDS-CDS	0	0	1	1er1	In-frame
STXBP5-TNFRSF19	chr6	147339384	chr13	23673372	STXBP5	ENST00000321680	chr6	147339384	TNFRSF19	ENST00000403372	chr13	23673372	N-CDS-CDS-34X	0	0	1	1er1	Out-of-frame
STXBP6-EPHA3	chr3	12138332	chr3	8939837	STXBP6	ENST00000273666	chr3	12138332	EPHA3	ENST00000338598	chr3	8939837	Y-CDS-CDS	0	0	1	1er2	In-frame
STXBP6-ZNF410	chr14	24974665	chr14	24974665	STXBP6	ENST00000546511	chr14	24974665	ZNF410	ENST00000324593	chr14	24974665	Y-CDS-CDS	0	0	1	1er1	In-frame
STXBP6-TMEM189-1ch14	chr14	24974665	chr20	50143621	STXBP6	ENST00000546511	chr14	24974665	TMEM189-1	ENST00000341698	chr20	50143621	Y-CDS-CDS	0	0	1	1er2	In-frame
STXBP6-SLC44A4	chr14	24974665	chr6	31877082	STXBP6	ENST00000546511	chr14	24974665	SLC44A4	ENST00000292729	chr6	31877082	Y-CDS-CDS	0	0	1	1er1	In-frame
STXBP6-ZNF410	chr14	24974665	chr14	73903960	STXBP6	ENST00000323944	chr14	24974665	ZNF410	ENST00000324593	chr14	73903960	Y-CDS-CDS	0	0	1	1er1	In-frame
STXBP6-TMEM189-1ch14	chr14	24974665	chr20	50143621	STXBP6	ENST00000323944	chr14	24974665	TMEM189-1	ENST00000341698	chr20	50143621	Y-CDS-CDS	0	0	1	1er2	In-frame
STXBP6-SLC44A4	chr14	24974665	chr6	31877082	STXBP6	ENST00000323944	chr14	24974665	SLC44A4	ENST00000292729	chr6	31877082	Y-CDS-CDS	0	0	1	1er1	In-frame
STXBP6-ZNF410	chr14	24974665	chr14	73903960	STXBP6	ENST00000323944	chr14	24974665	ZNF410	ENST00000324593	chr14	73903960	Y-CDS-CDS	0	0	1	1er1	In-frame
STXBP6-TMEM189-1ch14	chr14	24974665	chr20	50143621	STXBP6	ENST00000323944	chr14	24974665	TMEM189-1	ENST00000341698	chr20	50143621	Y-CDS-CDS	0	0	1	1er2	In-frame
STXBP6-SLC44A4	chr14	24974665	chr6	31877082	STXBP6	ENST00000323944	chr14	24974665	SLC44A4	ENST00000292729	chr6	31877082	Y-CDS-CDS	0	0	1	1er1	In-frame
STYK1-GPR162	chr12	10621876	chr12	10621876	STYK1	ENST0000075503	chr12	10621876	GPR162	ENST0000011268	chr12	10621876	N-CDS-CDS-18X	0	0	1	1er1	Out-of-frame
STYX-DAD1	chr14	52759754	chr14	22565137	STYX	ENST00000354586	chr14	52759754	DAD1	ENST00000250498	chr14	22565137	N-SUTR-SUTR	0	0	1	1er1	CDS-SUTR
SUB1-ELMO1	chr5	32591665	chr5	32591665	SUB1	ENST00000265073	chr5	32591665	ELMO1	ENST00000310758	chr5	32591665	N-SUTR-CDS	0	0	1	1er1	SUTR-CDS
SUB1-PDHA1	chr5	32591665	chrX	19355448	SUB1	ENST00000265073	chr5	32591665	PDHA1	ENST00000379068	chrX	19355448	N-CDS-CDS	0	0	1	0	Out-of-frame
SUB1-PDHA1	chr5	32591665	chrX	19355448	SUB1	ENST00000265073	chr5	32591665	PDHA1	ENST00000379068	chrX	19355448	N-CDS-CDS	0	0	1	0	Out-of-frame
SUB1-PDHA1	chr5	32591665	chrX	19355448	SUB1	ENST00000265073	chr5	32591665	PDHA1	ENST00000379068	chrX	19355448	N-CDS-CDS	0	0	1	0	Out-of-frame
SUCLA2-CTTNBP2N	chr13	48001180	chr13	48001180	SUCLA2	ENST00000378654	chr13	48001180	CTTNBP2N	ENST00000271277	chr13	48001180	Y-CDS-CDS	0	0	1	0	Out-of-frame
SUCO-LIN7A	chr12	72533497	chr12	80811683	SUCO	ENST00000263688	chr12	72533497	LIN7A	ENST00000552864	chr12	80811683	N-CDS-CDS	0	0	1	0	Out-of-frame
SUCO-GLIPR1L1	chr1	17258948	chr12	75363102	SUCO	ENST00000263688	chr1	17258948	GLIPR1L1	ENST00000312442	chr12	75363102	Y-CDS-CDS	0	0	1	0	Out-of-frame
SUCO-GLIPR1L1	chr1	17258948	chr12	75363102	SUCO	ENST00000263688	chr1	17258948	GLIPR1L1	ENST00000378995	chr12	75363102	Y-CDS-CDS	0	0	1	0	Out-of-frame
SUCO-DM3	chr1	172591071	chr1	172591071	SUCO	ENST00000263688	chr1	172591071	DM3	ENST00000355505	chr1	172591071	Y-CDS-CDS	0	0	1	1er1	In-frame
SUFU-GBF1	chr10	10255106	chr10	10255106	SUFU	ENST00000369899	chr10	10255106	GBF1	ENST00000369893	chr10	10255106	Y-CDS-CDS	0	2	3	2er2	In-frame
SUFU-ZCCHC24	chr10	10255106	chr10	79394440	SUFU	ENST00000369899	chr10	10255106	ZCCHC24	ENST00000372333	chr10	79394440	Y-CDS-CDS	0	0	1	1er1	Out-of-frame
SUFU-KCNH2	chr10	10255106	chr7	150974941	SUFU	ENST00000369899	chr10	10255106	KCNH2	ENST00000262186	chr7	150974941	Y-CDS-CDS	0	0	1	1er1	Out-of-frame
SUFU-ADK	chr10	10255106	chr10	74708321	SUFU	ENST00000369899	chr10	10255106	ADK	ENST00000286621	chr10	74708321	Y-CDS-CDS	0	0	1	1er1	In-frame
SUFU-ADK	chr10	10255106	chr10	74708321	SUFU	ENST00000369899	chr10	10255106	ADK	ENST00000286621	chr10	74708321	Y-CDS-CDS	0	0	1	1er1	In-frame
SUFU-CYP28A1	chr10	102617428	chr10	93075826	SUFU	ENST00000369899	chr10	102617428	CYP28A1	ENST00000022458	chr10	93075826	Y-CDS-CDS	0	0	1	1er4	In-frame
SUGP1-TMEM221	chr19	19296989	chr19	17436927	SUGP1	ENST00000247001	chr19	19296989	TMEM221	ENST00000341130	chr19	17436927	Y-CDS-CDS	0	0	1	0	Out-of-frame
SUGP1-MEX3D	chr19	19296989	chr19	1556923	SUGP1	ENST00000247001	chr19	19296989	MEX3D	ENST00000402693	chr19	1556923	Y-CDS-CDS	0	0	1	0	Out-of-frame
SUGP1-PEPD	chr19	19316422	chr19	19316422	SUGP1	ENST00000247001	chr19	19316422	PEPD	ENST00000244137	chr19	19316422	Y-CDS-CDS	0	0	1	0	Out-of-frame
SULF1-CBOR34	chr8	69469950	chr8	68815886	SULF1	ENST00000260128	chr8	69469950	CBOR34	ENST00000337103	chr8	68815886	N-SUTR-CDS	0	0	1	1er4	SUTR-CDS
SULF1-TERF1	chr8	69469950	chr8	68815886	SULF1	ENST00000260128	chr8	69469950	TERF1	ENST00000276002	chr8	68815886	N-CDS-CDS-152X	0	0	1	0	Out-of-frame
SULF2-TSHZ2	chr20	47736703	chr20	54387144	SULF2	ENST00000359930	chr20	47736703	TSHZ2	ENST00000371497	chr20	54387144	N-CDS-SUTR-12X	0	0	1	0	Out-of-frame
SULF2-WFDC3	chr20	47736703	chr20	47736703	SULF2	ENST00000359930	chr20	47736703	WFDC3	ENST00000424938	chr20	47736703	Y-CDS-CDS	0	0	1	1er4	In-frame
SULF2-GAB2	chr20	47757189	chr20	47757189	SULF2	ENST00000359930	chr20	47757189	GAB2	ENST00000340149	chr20	47757189	N-CDS-SUTR	0	0	1	1er1	Out-of-frame
SULF2-PEX5L	chr20	47757189	chr3	179971665	SULF2	ENST00000359930	chr20	47757189	PEX5L	ENST00000463761	chr3	179971665	N-CDS-CDS	0	0	1	1er3	Out-of-frame
SULF2-DEK1	chr20	47785343	chr20	47785343	SULF2	ENST00000379555	chr20	47785343	DEK1	ENST00000331808	chr20	47785343	N-SUTR-SUTR	0	0	1	1er1	NA
SULT1B1-C52N2	chr4	69730501	chr4	69730501	SULT1B1	ENST00000310613	chr4	69730501	C52N2	ENST00000353151	chr4	69730501	N-CDS-CDS-21X	0	0	1	0	Out-of-frame
SULT1B1-C52N2	chr4	69730501	chr4	69730501	SULT1B1	ENST00000310613	chr4	69730501	C52N2	ENST00000353151	chr4	69730501	N-CDS-CDS-21X	0	0	1	0	Out-of-frame
SUN1-ICAM1	chr22	38750225	chr22	38750225	SUN1	ENST00000389574	chr22	38750225	ICAM1	ENST00000265577	chr22	38750225	N-CDS-SUTR-11X	0	0	1	1er1	CDS-SUTR
SUN2-GTPBP1	chr22	38750225	chr22	38750225	SUN2	ENST00000405018	chr22	38750225	GTPBP1	ENST00000216044	chr22	38750225	Y-CDS-CDS	0	0	1	1er4	In-frame
SUP16H-CHD8	chr14	21383862	chr14	21383862	SUP16H	ENST00000216297	chr14	21383862	CHD8	ENST00000399822	chr14	21383862	Y-CDS-CDS	0	0	1	1er4	In-frame
SUPT4H1-PSMD12	chr17	58																

TADA1-CADM3	chr1	16689445	chr1	159199751	TADA1	ENST000000387874	chr1	16689445	CADM3	ENST000000386124	chr1	159199751	Y3UTR-CDS	0	1	1	1	In-frame	
TADA2A-C17orf78	chr17	37409499	chr17	37377879	TADA2A	ENST000000100384	chr17	37409499	C17orf78	ENST000000110388	chr17	37377879	N5UTR-CDS	0	0	1	1	In-frame	
TADA2A-MK	chr17	37409499	chr17	37409499	TADA2A	ENST000000100384	chr17	37409499	MK	ENST000000100384	chr17	37409499	N5UTR-CDS	0	1	1	1	Out-of-frame	
TADA2A-MYOD1	chr17	37462552	chr17	37462552	TADA2A	ENST00000012272	chr17	37462552	MYOD1	ENST00000018217	chr17	37462552	N.CDS-CDS.8X	0	0	0	0	Out-of-frame	
TADA2A-GPDA4	chr17	37467525	chr17	37467525	TADA2A	ENST000000162272	chr17	37467525	GPDA4	ENST000000315938	chr17	37467525	N.CDS-CDS.10X	0	0	1	1	Out-of-frame	
TAF1-ITGB1BP2	chrX	71368107	chrX	71368107	TAF1	ENST000000267072	chrX	71368107	ITGB1BP2	ENST000000373829	chrX	71368107	N.CDS-CDS.3X	0	0	1	1	Out-of-frame	
TAF12-RAB6A	chr1	28613247	chr1	28613247	TAF12	ENST000000263974	chr1	28613247	RAB6A	ENST000000310653	chr1	28613247	N.CDS-CDS.3X	0	0	1	1	Out-of-frame	
TAF12-TPRG1	chr1	28617953	chr1	28617953	TAF12	ENST000000263974	chr1	28617953	TPRG1	ENST000000345063	chr1	28617953	N.CDS-CDS	0	0	1	1	Out-of-frame	
TAF12-ATAD3C	chr1	28642992	chr1	28642992	TAF12	ENST000000263974	chr1	28642992	ATAD3C	ENST000000378785	chr1	28642992	N5UTR-CDS	0	0	1	1	Out-of-frame	
TAF13-LYPLA1	chr1	109074987	chr1	109074987	TAF13	ENST000000338366	chr1	109074987	LYPLA1	ENST000000318963	chr1	109074987	Y3UTR-CDS	0	1	1	1	In-frame	
TAF13-SORT1	chr1	109325089	chr1	109325089	TAF13	ENST000000338366	chr1	109325089	SORT1	ENST000000256637	chr1	109325089	N.CDS-CDS	0	0	1	1	Out-of-frame	
TAF15-PTRH2	chr17	35824198	chr17	35824198	TAF15	ENST000000603393	chr17	35824198	PTRH2	ENST000000393038	chr17	35824198	N.CDS-CDS	0	1	0	0	Out-of-frame	
TAF15-AP2B1	chr17	35824198	chr17	35824198	TAF15	ENST000000603393	chr17	35824198	AP2B1	ENST000000588116	chr17	35824198	Y3UTR-CDS	0	1	1	1	In-frame	
TAF15-MAN1A2	chr17	35842459	chr17	35842459	TAF15	ENST000000603393	chr17	35842459	MAN1A2	ENST000000356554	chr17	35842459	N3UTR-CDS	0	1	0	0	Out-of-frame	
TAF1A-SLC12A7	chr1	222584128	chr1	222584128	TAF1A	ENST000000350027	chr1	222584128	SLC12A7	ENST000000264930	chr1	222584128	Y3UTR-CDS	0	1	1	1	In-frame	
TAF1B-FOSL2	chr2	9845318	chr2	9845318	TAF1B	ENST000000263963	chr2	9845318	FOSL2	ENST000000294716	chr2	9845318	Y3UTR-CDS	0	1	1	1	In-frame	
TAF1B-SGCC2	chr2	9845318	chr2	9845318	TAF1B	ENST000000263963	chr2	9845318	SGCC2	ENST000000294716	chr2	9845318	Y3UTR-CDS	0	1	1	1	In-frame	
TAF1B-SGCC2	chr2	9845318	chr2	9845318	TAF1B	ENST000000263963	chr2	9845318	SGCC2	ENST000000382080	chr2	9845318	Y3UTR-CDS	0	1	1	1	In-frame	
TAF2-DSCC1	chr8	119801794	chr8	119801794	TAF2	ENST000000378164	chr8	119801794	DSCC1	ENST000000313655	chr8	119801794	Y3UTR-CDS	0	1	1	1	In-frame	
TAF2-CLVS1	chr8	119831677	chr8	119831677	TAF2	ENST000000378164	chr8	119831677	CLVS1	ENST000000325897	chr8	119831677	N.CDS-CDS	0	1	1	1	Out-of-frame	
TAF2-ALDH16A1	chr8	119831677	chr8	119831677	TAF2	ENST000000378164	chr8	119831677	ALDH16A1	ENST000000293550	chr8	119831677	N.CDS-CDS	0	1	0	0	Out-of-frame	
TAF3-DNAJC1	chr10	7818975	chr10	7818975	TAF3	ENST000000344293	chr10	7818975	DNAJC1	ENST000000378980	chr10	7818975	N.CDS-CDS	0	1	1	1	Out-of-frame	
TAF3-SYL	chr10	7824560	chr10	7824560	TAF3	ENST000000344293	chr10	7824560	SYL	ENST000000355867	chr10	7824560	Y3UTR-CDS	0	1	1	1	In-frame	
TAF3-ATP5C1	chr10	7824560	chr10	7824560	TAF3	ENST000000344293	chr10	7824560	ATP5C1	ENST000000335698	chr10	7824560	Y3UTR-CDS	0	1	1	1	In-frame	
TAF3-ZDHHC14	chr10	7824560	chr10	7824560	TAF3	ENST000000344293	chr10	7824560	ZDHHC14	ENST000000359775	chr10	7824560	N.CDS-CDS	0	0	1	1	Out-of-frame	
TAF3-ZNF365	chr10	7824560	chr10	7824560	TAF3	ENST000000344293	chr10	7824560	ZNF365	ENST000000395254	chr10	7824560	N.CDS-SUTR	0	0	1	1	Out-of-frame	
TAF3-ATP5C1	chr10	7824560	chr10	7824560	TAF3	ENST000000344293	chr10	7824560	ATP5C1	ENST000000335698	chr10	7824560	Y3UTR-CDS	0	1	1	1	In-frame	
TAF3-APP	chr10	7977323	chr10	7977323	TAF3	ENST000000344293	chr10	7977323	APP	ENST000000346798	chr10	7977323	Y3UTR-CDS	0	1	1	1	In-frame	
TAF4-TCFL5	chr20	6197550	chr20	6197550	TAF4	ENST000000252996	chr20	6197550	TCFL5	ENST000000217162	chr20	6197550	Y3UTR-CDS	0	1	1	1	In-frame	
TAF4-TSHZ2	chr20	6197550	chr20	6197550	TAF4	ENST000000252996	chr20	6197550	TSHZ2	ENST000000371497	chr20	6197550	N.CDS-SUTR.60X	0	1	1	1	In-frame	
TAF4-FAF1	chr20	62012815	chr20	62012815	TAF4	ENST000000252996	chr20	62012815	FAF1	ENST000000396153	chr20	62012815	Y3UTR-CDS	0	1	1	1	In-frame	
TAF4-FAF1	chr20	62012815	chr20	62012815	TAF4	ENST000000252996	chr20	62012815	FAF1	ENST000000371778	chr20	62012815	Y3UTR-CDS	0	1	1	1	In-frame	
TAF4-CDH4	chr20	61254826	chr20	61254826	TAF4	ENST000000252996	chr20	61254826	CDH4	ENST000000614565	chr20	61254826	N.CDS-CDS.6X	0	1	1	1	Out-of-frame	
TAF4-GATA5	chr20	62465921	chr20	62465921	TAF4	ENST000000252996	chr20	62465921	GATA5	ENST000000252997	chr20	62465921	N.CDS-CDS.6X	0	1	1	1	Out-of-frame	
TAF4-LAMA5	chr20	62338150	chr20	62338150	TAF4	ENST000000252996	chr20	62338150	LAMA5	ENST000000252999	chr20	62338150	Y3UTR-CDS	0	1	1	1	In-frame	
TAF4B-CHST9	chr18	26227276	chr18	26227276	TAF4B	ENST000000269142	chr18	26227276	CHST9	ENST00000057774	chr18	26227276	Y3UTR-CDS	0	1	1	1	In-frame	
TAF4B-CHST9	chr18	26227276	chr18	26227276	TAF4B	ENST000000269142	chr18	26227276	CHST9	ENST000000581714	chr18	26227276	Y3UTR-CDS	0	1	1	1	In-frame	
TAF6L-PCYT1A	chr11	62771490	chr11	62771490	TAF6L	ENST000000294168	chr11	62771490	PCYT1A	ENST000000292823	chr11	62771490	N5UTR-CDS	0	0	1	1	Out-of-frame	
TAF6L-GLYATL1	chr11	62771490	chr11	62771490	TAF6L	ENST000000294168	chr11	62771490	GLYATL1	ENST000000300079	chr11	62771490	N5UTR-CDS	0	0	1	1	Out-of-frame	
TAF6L-SCGB1A1	chr11	62776470	chr11	62776470	TAF6L	ENST000000294168	chr11	62776470	SCGB1A1	ENST000000278282	chr11	62776470	N.CDS-CDS	0	1	1	1	Out-of-frame	
TAF6L-TMEM109	chr11	62782825	chr11	62782825	TAF6L	ENST000000294168	chr11	62782825	TMEM109	ENST000000227525	chr11	62782825	N.CDS-CDS	0	1	1	1	In-frame	
TAF6L-TMEM109	chr11	62782825	chr11	62782825	TAF6L	ENST000000294168	chr11	62782825	TMEM109	ENST000000227525	chr11	62782825	N.CDS-CDS	0	1	1	1	In-frame	
TAF8-CRISP1	chr6	42068607	chr6	42068607	TAF8	ENST000000456926	chr6	42068607	CRISP1	ENST000000329411	chr6	42068607	Y3UTR-CDS	0	1	1	1	In-frame	
TAF8-CRISP1	chr6	42068607	chr6	42068607	TAF8	ENST000000456926	chr6	42068607	CRISP1	ENST000000329411	chr6	42068607	Y3UTR-CDS	0	1	1	1	In-frame	
TAF8-GRIP1	chr6	42068607	chr6	42068607	TAF8	ENST000000329727	chr6	42068607	GRIP1	ENST000000359742	chr6	42068607	N.CDS-CDS	0	1	1	1	Out-of-frame	
TAF8-COL5A3	chr6	42077239	chr6	42077239	TAF8	ENST000000329727	chr6	42077239	COL5A3	ENST000000264828	chr6	42077239	N.CDS-CDS.5X	0	0	2	1	3UTR-CDS	
TAF9-ADAMT56	chr5	69365003	chr5	69365003	TAF9	ENST000000217893	chr5	69365003	ADAMT56	ENST000000381052	chr5	69365003	N5UTR-SUTR	0	0	1	1	In-frame	
TAF9-RFWD2	chr11	1172046284	chr11	1172046284	TAF9	ENST000000319606	chr11	1172046284	RFWD2	ENST000000319606	chr11	1172046284	N.CDS-CDS	0	0	1	1	In-frame	
TALDO1-EPSBL2	chr11	720062	chr11	720062	TALDO1	ENST000000319006	chr11	720062	EPSBL2	ENST000000318562	chr11	720062	N.CDS-CDS	0	0	1	1	Out-of-frame	
TALDO1-EPSBL2	chr11	720062	chr11	720062	TALDO1	ENST000000319006	chr11	720062	EPSBL2	ENST000000318562	chr11	720062	N.CDS-CDS	0	0	1	1	Out-of-frame	
TALDO1-ZNF1	chr11	49246881	chr11	49246881	TALDO1	ENST000000319006	chr11	49246881	ZNF1	ENST000000371752	chr11	49246881	N.CDS-SUTR	0	0	1	1	3UTR-CDS	
TALDO1-ZNF1	chr11	49246881	chr11	49246881	TALDO1	ENST000000319006	chr11	49246881	ZNF1	ENST000000371752	chr11	49246881	N.CDS-SUTR	0	0	1	1	3UTR-CDS	
TANCI1-PKP4	chr2	158687872	chr2	158687872	TANCI1	ENST000000263635	chr2	158687872	PKP4	ENST000000389757	chr2	158687872	N5UTR-CDS	0	0	1	1	3UTR-CDS	
TANCI1-NRAA2	chr2	159001189	chr2	159001189	TANCI1	ENST000000263635	chr2	159001189	NRAA2	ENST000000339562	chr2	159001189	N5UTR-SUTR.2X	0	0	1	1	2	5UTR-CDS
TANCI1-PKP4	chr2	159097834	chr2	159097834	TANCI1	ENST000000263635	chr2	159097834	PKP4	ENST000000389757	chr2	159097834	N.CDS-CDS	0	0	1	1	Out-of-frame	
TANCI1-PKP4	chr2	159097834	chr2	159097834	TANCI1	ENST000000263635	chr2	159097834	PKP4	ENST000000389757	chr2	159097834	N.CDS-CDS	0	0	1	1	Out-of-frame	
TANCI1-MRC2	chr17	63009626	chr17	63009626	TANCI1	ENST000000263635	chr17	63009626	MRC2	ENST000000303575	chr17	63009626	Y3UTR-CDS	0	1	1	1	In-frame	
TANCI1-MRC2	chr17	63009626	chr17	63009626	TANCI1	ENST000000263635	chr17	63009626	MRC2	ENST000000303575	chr17	63009626	Y3UTR-CDS	0	1	1	1	In-frame	
TANCI1-MRC2	chr17	63009626	chr17	63009626	TANCI1	ENST000000263635	chr17	63009626	MRC2	ENST000000303575	chr17	63009626	Y3UTR-CDS	0	1	1	1	In-frame	
TANCI1-MRC2	chr17	63009626	chr17	63009626	TANCI1	ENST000000263635	chr17	63009626	MRC2	ENST000000303575	chr17	63009626	Y3UTR-CDS	0	1	1	1	In-frame	
TANCI1-MRC2	chr17	63009626	chr17	63009626	TANCI1	ENST000000263635	chr17	63009626	MRC2	ENST000000303575	chr17	63009626	Y3UTR-CDS	0	1	1	1	In-frame	
TANCI1-MRC2	chr17	63009626	chr17	63009626	TANCI1	ENST000000263635	chr17	63009626	MRC2	ENST000000303575	chr17	63009626	Y3UTR-CDS	0	1	1	1	In-frame	
TANCI1-MRC2	chr17	63009626	chr17	63009626	TANCI1	ENST000000263635	chr17	63009626	MRC2	ENST000000303575	chr17	63009626	Y3UTR-CDS	0	1	1	1	In-frame	
TANCI1-MRC2	chr17	6300																	

TBC1D2B-CIB2	chr15	7811276	ENST000003005834	chr15	78054034	CIB2	ENST00000258930	chr15	7811276	N.CDS-CDS4X	0	0	1	1er1	Out-of-frame	
TBC1D32-HBS1L	chr6	121279121	ENST00000271559	chr6	121279121	HBS1L	ENST00000367826	chr6	134998775	Y.CDS-CDS	0	1	0	0	0	
TBC1D32-FRANC12	chr13	75481270	ENST00000372625	chr13	75481270	FRANC12	ENST00000372625	chr13	75481270	Y.CDS-CDS	0	1	0	1	1er1	In-frame
TBC1D4-KLF12	chr13	75481270	ENST00000372625	chr13	75481270	KLF12	ENST00000377669	chr13	73813287	N.CDS-CDS	0	0	1	1er1	Out-of-frame	
TBC1D4-COMMD6	chr13	75481270	ENST00000372625	chr13	75481270	COMMD6	ENST00000355801	chr13	75530266	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBC1D4-COMMD6	chr13	75481270	ENST00000372625	chr13	75481270	COMMD6	ENST00000355801	chr13	75537675	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBC1D5-SETD5	chr3	9435728	ENST00000253692	chr3	9435728	SETD5	ENST00000302463	chr3	9435728	N.CDS-CDS1X	0	0	1	1er2	Out-of-frame	
TBC1D5-TOX2B	chr3	25601225	ENST00000412981	chr3	17742481	TOX2B	ENST00000264331	chr3	25601225	N.SUTR-CDS	0	0	1	1er1	In-frame	
TBC1D5-HIT	chr3	3223406	ENST00000412981	chr3	17742481	HIT	ENST00000355072	chr4	3223406	N.SUTR-CDS	0	0	1	1er1	SUTR-CDS	
TBC1D8-RNF149	chr2	10102581	ENST00000376840	chr2	10102581	RNF149	ENST00000295317	chr2	10102581	N.CDS-CDS42X	0	0	1	1er1	Out-of-frame	
TBC1D8-LIFP	chr2	10105041	ENST00000376840	chr2	10105041	LIFP	ENST00000238983	chr2	10105041	N.CDS-CDS13X	0	1	0	0	0	
TBC1D8-RNF149	chr2	10105261	ENST00000376840	chr2	10105261	RNF149	ENST00000295317	chr2	10128617	N.CDS-CDS.3X	0	0	1	1er4	Out-of-frame	
TBC1D8-CREG2	chr2	10105261	ENST00000376840	chr2	10105261	CREG2	ENST00000324768	chr2	10105261	N.CDS-CDS.1X	0	0	1	1er1	Out-of-frame	
TBC1D8-RNF128	chrX	106802983	ENST00000276175	chrX	106802983	RNF128	ENST00000255499	chrX	106795580	N.CDS-CDS.2X	0	0	1	1er2	Out-of-frame	
TBC1D8-RNF128	chrX	106802983	ENST00000276175	chrX	106802983	RNF128	ENST00000255499	chrX	106795580	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBC1D9-SMARC5	chr4	14063906	ENST00000442267	chr4	14063906	SMARC5	ENST00000283191	chr4	143517355	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBC1D9-CORO1C	chr12	10687020	ENST00000442267	chr12	10687020	CORO1C	ENST00000261401	chr12	10687394	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBC1D9-TYK2	chr5	179862743	ENST00000355235	chr5	179862743	TYK2	ENST0000052621	chr19	10380676	N.3UTR-SUTR.44	0	0	1	1er3	3UTR-SUTR	
TBC1D9B-RNF130	chr5	179904702	ENST00000355235	chr5	179904702	RNF130	ENST00000522208	chr5	179904702	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBCA-ARSB	chr5	77708242	ENST00000522370	chr5	77708242	ARSB	ENST00000565165	chr5	78839426	N.CDS-CDS.1X	0	0	0	0	0	
TBCA-ARSB	chr5	77708242	ENST00000522370	chr5	77708242	ARSB	ENST00000565165	chr5	78839426	N.CDS-CDS.1X	0	0	0	0	0	
TBCA-ARSB	chr5	77708242	ENST00000522370	chr5	77708242	ARSB	ENST00000565165	chr5	78839426	N.CDS-CDS.1X	0	0	0	0	0	
TBCB-B3GALNT1	chr9	36120735	ENST00000585746	chr9	36120735	B3GALNT1	ENST00000473285	chr9	36120735	N.CDS-CDS	0	0	1	0	0	
TBCB-B3GALNT1	chr9	36120735	ENST00000585746	chr9	36120735	B3GALNT1	ENST00000473285	chr9	36120735	N.CDS-CDS	0	0	1	0	0	
TBCD-CSNK1D	chr17	82752377	ENST00000355528	chr17	82752377	CSNK1D	ENST00000314028	chr17	82265796	Y.CDS-CDS	0	0	1	0	0	
TBCD-FOKK2	chr17	82752377	ENST00000355528	chr17	82752377	FOKK2	ENST00000335255	chr17	82265796	Y.CDS-CDS	0	0	1	1er1	SUTR-CDS	
TBCD-ASPCR1	chr17	82772507	ENST00000355528	chr17	82772507	ASPCR1	ENST00000306729	chr17	82009486	Y.CDS-CDS	0	0	1	1er3	SUTR-CDS	
TBCD-RPTOR	chr17	82797802	ENST00000355528	chr17	82797802	RPTOR	ENST00000306801	chr17	80957624	Y.CDS-CDS	0	0	1	1er3	In-frame	
TBCD-CCDC57	chr17	82814934	ENST00000355528	chr17	82814934	CCDC57	ENST00000389641	chr17	82101866	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBCD-CPM	chr17	82814934	ENST00000355528	chr17	82814934	CPM	ENST00000355922	chr12	68885889	Y.CDS-CDS	0	0	1	0	0	
TBCD-GLIPR2	chr9	36147786	ENST00000355528	chr9	36147786	GLIPR2	ENST00000377959	chr9	36147786	N.CDS-CDS.20X	0	0	1	1er1	Out-of-frame	
TBCD-SC9A3R1	chr17	82889697	ENST00000355528	chr17	82889697	SC9A3R1	ENST00000262613	chr17	74762012	Y.CDS-CDS	0	0	1	0	0	
TBCD-FOKK2	chr17	82903478	ENST00000355528	chr17	82903478	FOKK2	ENST00000335255	chr17	82601303	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBCD-HLCS	chr17	82930643	ENST00000355528	chr17	82930643	HLCS	ENST00000336648	chr21	36767285	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBCD-NFIX	chr17	82941483	ENST00000355528	chr17	82941483	NFIX	ENST00000360105	chr19	13025921	Y.CDS-CDS	0	0	1	0	0	
TBCE-SPTL2	chr1	23534960	ENST00000366601	chr1	23534960	SPTL2	ENST00000262861	chr1	23493680	N.SUTR-CDS	0	0	1	1er1	SUTR-CDS	
TBCE-GGPS1	chr1	23534960	ENST00000366601	chr1	23534960	GGPS1	ENST00000282841	chr1	235341708	Y.CDS-CDS	0	0	1	1er3	In-frame	
TBCE-TBC1D22A	chr1	235380149	ENST00000366601	chr1	235380149	TBC1D22A	ENST00000337137	chr22	47111508	N.CDS-CDS	0	0	1	1er3	Out-of-frame	
TBCE-GGPS1	chr1	235401587	ENST00000366601	chr1	235401587	GGPS1	ENST00000282841	chr1	235341708	N.CDS-CDS.2X	0	0	1	1er1	Out-of-frame	
TBCE-MAPRE2	chr1	235442911	ENST00000366601	chr1	235442911	MAPRE2	ENST00000300249	chr18	35101946	N.CDS-CDS.34X	0	0	1	1er1	Out-of-frame	
TBCK-PAPSS1	chr4	106711095	ENST00000273980	chr4	106711095	PAPSS1	ENST00000265174	chr4	107631860	Y.CDS-CDS	0	0	1	0	0	
TBCK-WDH01	chr4	106711095	ENST00000273980	chr4	106711095	WDH01	ENST00000306586	chr4	106925928	N.CDS-CDS41X	0	0	1	1er4	Out-of-frame	
TBCK1	chr12	64455957	ENST00000317110	chr12	64455957	TBCK1	ENST00000317110	chr12	64455957	N.CDS-CDS	0	0	1	1er1	In-frame	
TBCK1-GRIP1	chr12	64455957	ENST00000317110	chr12	64455957	GRIP1	ENST00000359742	chr12	64455957	N.CDS-CDS	0	0	1	1er1	Out-of-frame	
TBCK1-ARHGAP5	chr12	64455957	ENST00000317110	chr12	64455957	ARHGAP5	ENST00000539826	chr12	32117140	Y.CDS-CDS	0	0	1	0	0	
TBCK1-TMBIM4	chr12	64455957	ENST00000317110	chr12	64455957	TMBIM4	ENST00000539652	chr12	66153448	N.CDS-CDS	0	0	1	1er1	Out-of-frame	
TBCK1-CDK19	chr12	64485513	ENST00000317110	chr12	64485513	CDK19	ENST00000323817	chr12	110614666	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBCK1-CACNB4	chr2	151883370	ENST00000392749	chr2	151883370	CACNB4	ENST0000021943	chr2	151883370	N.SUTR-CDS	0	0	1	1er2	SUTR-CDS	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	N.SUTR-CDS	0	0	1	1er1	In-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	N.CDS-CDS.1X	0	0	1	1er1	Out-of-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	N.CDS-CDS.1X	0	0	1	1er1	Out-of-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	N.CDS-CDS.1X	0	0	1	1er1	Out-of-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	N.CDS-CDS.1X	0	0	1	1er1	Out-of-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	N.CDS-CDS.1X	0	0	1	1er1	Out-of-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	N.CDS-CDS.1X	0	0	1	1er1	Out-of-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	N.CDS-CDS.1X	0	0	1	1er1	Out-of-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	N.CDS-CDS.1X	0	0	1	1er1	Out-of-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	N.CDS-CDS.1X	0	0	1	1er1	Out-of-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	N.CDS-CDS.1X	0	0	1	1er1	Out-of-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	Y.CDS-CDS	0	0	1	1er1	In-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	N.CDS-CDS.1X	0	0	1	1er1	Out-of-frame	
TBCK1-SLC38A6	chr2	161179761	ENST00000267488	chr2	161179761	SLC38A6	ENST00000267488	chr14	60982508	Y.CDS-CDS	0					

TERF2IP-CKLF	chr16	6665886 +	chr16	6665886 +	TERF2IP	ENST0000030086	chr16	7564852 +	CKLF	ENST0000026401	chr16	6665886 +	N.CDS-CDS4X	0	0	1	ter1	Out-of-frame	
TEFS-FBXO21	chr12	11704659 -	chr12	11704659 -	TEFS	ENST0000033520	chr12	11704659 -	FBXO21	ENST0000030622	chr12	11704659 -	N.CDS-CDS	0	0	1	ter1	Out-of-frame	
TESK1-ASB1	chr1	45385912 -	chr1	45385912 -	TESK1	ENST0000032028	chr1	45385912 -	ASB1	ENST0000026269	chr1	45385912 -	N.CDS-CDS	0	1	1	ter1	Out-of-frame	
TESK2-CBA	chr1	45385912 -	chr1	45385912 -	TESK2	ENST0000032028	chr1	45385912 -	CBA	ENST0000031249	chr1	45385912 -	Y.CDS-CDS	0	1	1	ter2	In-frame	
TESK2-GNA12	chr1	45385912 -	chr1	45385912 -	TESK2	ENST0000032028	chr1	45385912 -	GNA12	ENST0000027584	chr1	45385912 -	N.CDS-CDS	0	1	1	ter1	In-frame	
TESK2-KNCN	chr1	45457564 -	chr1	45457564 -	TESK2	ENST0000032084	chr1	45457564 -	KNCN	ENST0000029445	chr1	45457564 -	N.CDS-SUTR	0	0	1	ter1	Out-of-frame	
TE1-ASCC1	chr10	68601034 +	chr10	68601034 +	TE1	ENST0000037264	chr10	68601034 +	ASCC1	ENST0000031726	chr10	68601034 +	Y.CDS-CDS	0	1	0	0	0	0
TE1-TMEM22	chr10	6861936 +	chr10	6861936 +	TE1	ENST0000037264	chr10	6861936 +	TMEM22	ENST00000374076	chr10	6861936 +	Y.CDS-CDS	0	1	1	ter1	In-frame	
TE1-EHFC2	chr10	6862973 +	chr10	6862973 +	TE1	ENST0000037264	chr10	6862973 +	EHFC2	ENST0000042099	chr10	6862973 +	Y.CDS-CDS	0	0	1	ter1	In-frame	
TE2-LARP7	chr4	11264468 +	chr4	11264468 +	TE2	ENST00000265149	chr4	105146979 +	LARP7	ENST00000324052	chr4	11264468 +	N.SUTR-SUTR-1X	0	0	1	ter1	SUTR-SUTR	
TE2-ADH6	chr4	105190505 +	chr4	99216262 +	TE2	ENST00000265149	chr4	105190505 +	ADH6	ENST00000237653	chr4	99216262 +	N.SUTR-CDS3X	0	0	1	ter4	SUTR-SUTR	
TE2-KLK3	chr4	105279816 +	chr19	50854935 +	TE2	ENST00000513237	chr4	105279816 +	KLK3	ENST00000326003	chr4	50854935 +	Y3UTR-SUTR-1X	0	0	1	ter3	3UTR-CDS	
TE3-ACTG2	chr2	74003166 +	chr2	73908673 +	TE3	ENST00000305799	chr2	74003166 +	ACTG2	ENST00000345517	chr2	73908673 +	Y.CDS-CDS	0	0	1	ter1	NA	
TE3-DGUOK	chr2	74003166 +	chr2	73946719 +	TE3	ENST00000305799	chr2	74003166 +	DGUOK	ENST00000264093	chr2	73946719 +	Y.CDS-CDS	0	0	1	ter1	NA	
TE3-ACTG2	chr2	74003166 +	chr2	73901276 +	TE3	ENST00000305799	chr2	74003166 +	ACTG2	ENST00000345517	chr2	73901276 +	Y.CDS-SUTR	0	0	1	ter1	NA	
TE3-KRFB7	chr2	74090047	chr12	52678223	TE3	ENST00000305799	chr2	74090047	KRFB7	ENST00000252244	chr12	52678223	N.CDS-CDS-12X	0	0	1	ter1	Out-of-frame	
TEX10-HSDL2	chr9	100352772 -	chr9	112403995 +	TEX10	ENST00000374902	chr9	100352772 -	HSDL2	ENST00000398803	chr9	112403995 +	N.SUTR-CDS	0	0	1	ter1	SUTR-CDS	
TEX14-SDK2	chr17	58584500 -	chr17	73391538 -	TEX14	ENST00000240361	chr17	58584500 -	SDK2	ENST00000392650	chr17	73391538 -	N.CDS-CDS-41X	0	0	1	ter2	Out-of-frame	
TEX2-CLASP2	chr17	64174436 -	chr3	33560876 -	TEX2	ENST00000258991	chr17	64174436 -	CLASP2	ENST00000359576	chr3	33560876 -	N.3UTR-CDS-52X	0	0	1	ter4	NA	
TEX2-BCAM	chr17	64171100 -	chr19	44811225 +	TEX2	ENST00000258991	chr17	64171100 -	BCAM	ENST00000270233	chr19	44811225 +	Y.CDS-CDS	0	0	1	ter1	In-frame	
TEX2-ACSF2	chr17	64171100 -	chr17	50460677 +	TEX2	ENST00000258991	chr17	64171100 -	ACSF2	ENST00000300441	chr17	50460677 +	N.CDS-CDS-35X	0	0	1	ter4	Out-of-frame	
TF2A-SMYD3	chr1	24529937 -	chr1	24529937 -	TF2A	ENST00000365514	chr1	24529937 -	SMYD3	ENST0000036516	chr1	24529937 -	N.CDS-SUTR	0	0	1	ter1	Out-of-frame	
TFB2M-ZNF124	chr1	24654845 +	chr1	247123871 +	TFB2M	ENST00000365514	chr1	24654845 +	ZNF124	ENST00000472531	chr1	247123871 +	N.CDS-CDS-12X	0	0	1	ter1	Out-of-frame	
TFB2M-SMYD3	chr1	246556573 +	chr1	246353474 +	TFB2M	ENST00000365514	chr1	246556573 +	SMYD3	ENST00000403792	chr1	246353474 +	Y.CDS-CDS	0	1	0	0	0	0
TFB2M-SMYD3	chr1	246556573 +	chr1	245863886 -	TFB2M	ENST00000365514	chr1	246556573 +	SMYD3	ENST0000036516	chr1	245863886 -	N.CDS-SUTR	0	1	0	0	0	0
TFB2M-SMYD3	chr1	246564346 -	chr1	246353474 +	TFB2M	ENST00000365514	chr1	246564346 -	SMYD3	ENST00000403792	chr1	246353474 +	Y.CDS-CDS	0	1	0	0	0	0
TFB2M-SMYD3	chr1	246564346 -	chr1	245929937 -	TFB2M	ENST00000365514	chr1	246564346 -	SMYD3	ENST0000036516	chr1	245929937 -	N.CDS-SUTR	0	0	1	ter1	Out-of-frame	
TFCP2L-POU6F1	chr12	51172301 -	chr12	51204368 -	TFCP2L	ENST00000257915	chr12	51172301 -	POU6F1	ENST00000335460	chr12	51204368 -	N.CDS-CDS	0	0	1	ter4	CDS-SUTR	
TFD1-LAMP1	chr13	113385849 +	chr13	113319469 +	TFD1	ENST00000353730	chr13	113385849 +	LAMP1	ENST00000332556	chr13	113319469 +	N.CDS-CDS	0	0	1	ter1	Out-of-frame	
TFD1-ATP11A	chr13	113385849 +	chr13	112785135 +	TFD1	ENST00000353730	chr13	113385849 +	ATP11A	ENST00000375630	chr13	112785135 +	Y.CDS-CDS	0	1	0	0	0	0
TFD1-CUL4A	chr13	113611062 +	chr13	113218945 +	TFD1	ENST00000353730	chr13	113611062 +	CUL4A	ENST00000326335	chr13	113218945 +	N.CDS-SUTR-2X	0	0	1	ter1	CDS-SUTR	
TFD1-CUL4A	chr13	113631744 +	chr13	113229446 +	TFD1	ENST00000353730	chr13	113631744 +	CUL4A	ENST00000326335	chr13	113229446 +	N.CDS-CDS	0	0	1	ter1	Out-of-frame	
TFD2-COG5	chr3	142039061 -	chr7	107324521 -	TFD2	ENST00000489671	chr3	142039061 -	COG5	ENST00000297135	chr7	107324521 -	N.CDS-CDS-3X	0	1	1	ter1	Out-of-frame	
TFD2-ANCL2	chr3	142039061 -	chr7	107324521 -	TFD2	ENST00000489671	chr3	142039061 -	ANCL2	ENST00000254770	chr7	107324521 -	N.SUTR-CDS	0	1	1	ter1	In-frame	
TFD2-GM4	chr3	142198933 -	chr3	142198933 -	TFD2	ENST00000489671	chr3	142198933 -	GM4	ENST00000299993	chr3	142198933 -	N.SUTR-CDS	0	0	1	ter1	Out-of-frame	
TFE3-MED15	chrX	49038010 -	chr22	20582611 +	TFE3	ENST00000315869	chrX	49038010 -	MED15	ENST00000262305	chr22	20582611 +	Y.CDS-CDS	0	1	1	ter1	In-frame	
TFE3-DVL2	chrX	49040455 -	chrX	7229447 -	TFE3	ENST00000315869	chrX	49040455 -	DVL2	ENST00000053340	chr17	7229447 -	Y.CDS-CDS	0	0	1	ter1	Out-of-frame	
TFE3-SFPQ	chrX	49043111 -	chr1	35188090 -	TFE3	ENST00000315869	chrX	49043111 -	SFPQ	ENST00000357214	chr1	35188090 -	Y.CDS-CDS	0	0	1	ter1	In-frame	
TFEB-CADM2	chr6	41686090 +	chr6	41686090 +	TFEB	ENST00000373033	chr6	41686090 +	CADM2	ENST00000338999	chr6	41686090 +	N.CDS-CDS	0	1	0	0	0	0
TFEB-SUPT3H	chr6	41689731 +	chr6	44829857 +	TFEB	ENST00000420312	chr6	41689731 +	SUPT3H	ENST00000371458	chr6	44829857 +	N.CDS-CDS	0	1	1	ter1	In-frame	
TFEB-SUPT3H	chr6	41689731 +	chr6	44829857 +	TFEB	ENST00000420312	chr6	41689731 +	SUPT3H	ENST00000371458	chr6	44829857 +	N.CDS-CDS	0	1	1	ter1	In-frame	
TFEB-SUPT3H	chr6	41689731 +	chr6	44829857 +	TFEB	ENST00000420312	chr6	41689731 +	SUPT3H	ENST00000371458	chr6	44829857 +	Y.CDS-CDS	0	1	1	ter1	In-frame	
TFEB-PGC	chr6	41735350 -	chr6	41744808 -	TFEB	ENST00000373033	chr6	41735350 -	PGC	ENST00000356667	chr6	41744808 -	N.SUTR-CDS	0	0	1	ter1	SUTR-CDS	
TFEB-PGC	chr6	41735350 -	chr6	41743389 -	TFEB	ENST00000373033	chr6	41735350 -	PGC	ENST00000373025	chr6	41743389 -	N.SUTR-CDS	0	0	1	ter2	SUTR-CDS	
TFEB-COL21A1	chr6	41735350 -	chr6	56182656 -	TFEB	ENST00000373033	chr6	41735350 -	COL21A1	ENST00000244728	chr6	56182656 -	N.SUTR-SUTR	0	0	1	ter1	SUTR-SUTR	
TFEB-MDF1	chr6	41735350 -	chr6	41649619 -	TFEB	ENST00000373033	chr6	41735350 -	MDF1	ENST00000235221	chr6	41649619 -	N.SUTR-CDS	0	0	1	ter1	SUTR-CDS	
TFEG-EPH5L1	chr6	417361146 -	chr6	417361146 -	TFEG	ENST00000240851	chr6	417361146 -	EPH5L1	ENST00000251129	chr6	417361146 -	N.CDS-CDS-52X	0	0	1	ter1	Out-of-frame	
TFG-CD46	chr3	100728858 +	chr1	20777779 +	TFG	ENST00000240851	chr3	100728858 +	CD46	ENST00000322875	chr1	20777779 +	Y.CDS-CDS	0	1	0	0	0	0
TFG-MET	chr3	100732672 +	chr7	116774881 +	TFG	ENST00000240851	chr3	100732672 +	MET	ENST00000318493	chr7	116774881 +	Y.CDS-CDS	0	0	1	ter1	In-frame	
TFIP1-IL17RA	chr22	26510064 -	chr22	17097062 -	TFIP1	ENST00000405938	chr22	26510064 -	IL17RA	ENST00000319363	chr22	17097062 -	N.CDS-CDS	0	0	1	ter1	Out-of-frame	
TFIP1-AMPD1	chr22	26512099 -	chr1	114688741 -	TFIP1	ENST00000405938	chr22	26512099 -	AMPD1	ENST00000389538	chr1	114688741 -	N.SUTR-CDS	0	0	1	ter4	SUTR-CDS	
TFRC-NCOR2	chr7	100623799 -	chr12	124363799 -	TFRC	ENST00000223051	chr7	100623799 -	NCOR2	ENST00000356219	chr12	124363799 -	N.CDS-CDS-16X	0	0	1	ter1	Out-of-frame	
TFRC-NCOR2	chr7	100623799 -	chr12	124363799 -	TFRC	ENST00000223051	chr7	100623799 -	NCOR2	ENST00000356219	chr12	124363799 -	N.CDS-CDS-16X	0	0	1	ter1	Out-of-frame	
TFRC-CPA3	chr3	196060180 -	chr3	148986520 -	TFRC	ENST00000360110	chr3	196060180 -	CPA3	ENST00000290646	chr3	148986520 -	N.CDS-CDS-7X	0	1	1	ter1	Out-of-frame	
TFRC-TCTEX1D2	chr3	196064309 -	chr3	196064309 -	TFRC	ENST00000360110	chr3	196064309 -	TCTEX1D2	ENST00000325318	chr3	196064309 -	Y.CDS-CDS	0	0	1	ter3	In-frame	
TFRC-BLOC1S5	chr3	196077064 -	chr6	8041268 -	TFRC	ENST00000360110	chr3	196077064 -	BLOC1S5	ENST00000543936	chr6	8041268 -	Y.CDS-ND	0	1	1	ter1	In-frame	
TFRC-BLOC1S5	chr3	196077064 -	chr6	8041268 -	TFRC	ENST00000360110	chr3	196077064 -	BLOC1S5	ENST00000397457	chr6	8041268 -	Y.CDS-ND	0	1	1	ter1	In-frame	
TG-THADA	chr8	132972741 +	chr2	43293213 -	TG	ENST00000220616	chr8	132972741 +	THADA	ENST00000398653	chr2	43293213 -	N.CDS-SUTR	0	1	1	ter1	In-frame	
TGDS-DARF1	chr13	94596051 -	chr7	87706132 +	TGDS	ENST00000261296	chr13	94596051 -	DARF1	ENST00000489640	chr7	87706132 +	N.CDS-CDS	0	1	1	ter3	Out-of-frame	
TGFB1-FXD05	chr19	41332128 -	chr2	70300980 -	TGFB1	ENST00000221930	chr19	41332128 -	FXD05	ENST00000342879	chr2	70300980 -	N.CDS-CDS	0	0	1	ter1	Out-of-frame	
TGFB1-CDC97	chr19	41332128 -	chr19	41316384 -	TGFB1	ENST00000221930	chr19	41332128 -	CDC97	ENST00000269967	chr19	41316384 -	N.CDS-CDS	0	0	1	ter1	Out-of-frame	
TGFB1-CDC97	chr19	41341883 -	chr19	41322595 +	TGFB1	ENST00000221930	chr19	41341883 -	CDC97	ENST00000269967	chr19	41322595 +	Y.CDS-CDS	0	0	1	ter1	In-frame	
TGFB1-TNNT1	chr5	136063815 +	chr19	55135542 -	TGFB1	ENST00000442011	chr5	13606											

TJ2P-FXN	ch9	69151771 +			ch9	69151771 +	FXN	ENST00000396364	ch9	69099901 +	N5UTR-CDS	0	0	1	ber2	5UTR-CDS
TJ2P-STX17	ch9	69151771 +			ch9	69151771 +	STX17	ENST00000259400	ch9	69915178 +	N5UTR-SUTR	0	0	1	ber2	5UTR-SUTR
TJ2P-R9P22	ch9	69151771 +			ch9	69151771 +	R9P22	ENST00000374469	ch9	1550474329	N5UTR-CDS	0	0	1	ber2	In-frame
TJ2P-TM38B3B	ch9	69202323 +			ch9	69202323 +	TM38B3B	ENST00000374688	ch9	105773865 +	YCD5-CDS	0	1	0		
TJ2P-LRRC8E	ch19	3721910 +			ch19	3721910 +	LRRC8E	ENST00000306708	ch19	7895599 +	N5UTR-SUTR	0	0	1	ber1	5UTR-SUTR
TK1-DNAH17	ch17	78175050 +			ch17	78175050 +	DNAH17	ENST00000585328	ch17	78427108 +	YCD5-CDS	0	1	0		
TK1-GPBP1	ch5	57261180 +			ch3	53240251 +	GPBP1	ENST00000264779	ch5	57261180 +	YCD5-CDS	0	1	0		
TK1-NEK8	ch17	28733983 +			ch17	28733983 +	NEK8	ENST00000268766	ch17	28733983 +	YCD5-CDS	0	0	1	ber1	In-frame
TLCD2-LRP5	ch17	1709499 +			ch17	1709499 +	LRP5	ENST00000294304	ch17	88409914 +	YCD5-CDS	0	1	0		
TLCD1-CYBA	ch16	84492592			ch16	84492592	CYBA	ENST00000261623	ch16	88443571 +	YCD5-CDS	0	1	1	ber4	In-frame
TL3-VYHAH	ch15	70053227 +			ch22	31956139 +	VYHAH	ENST00000397492	ch22	31956139 +	N.CDS-CDS	0	1	0		
TL3-THAP10	ch15	70094532 +			ch15	70094532 +	THAP10	ENST00000249861	ch15	70882908 +	YCD5-CDS	0	1	1	ber1	In-frame
TL3-THAP10	ch15	70094532 +			ch15	70094532 +	THAP10	ENST00000249861	ch15	70882908 +	YCD5-CDS	0	1	1	ber1	In-frame
TL3-CREG2	ch2	171046174 +			ch2	101355366 +	CREG2	ENST00000324768	ch2	101355366 +	N3UTR-CDS:1X	0	1	1	ber1	In-frame
TK1-PRPF40A	ch2	171061081 +			ch2	171061081 +	PRPF40A	ENST00000410080	ch2	152681336 +	N.CDS-CDS:1X	0	1	0		
TK1-ADK	ch2	17102781 +			ch2	17102781 +	ADK	ENST00000286021	ch2	74670163 +	N.CDS-CDS:1X	0	1	0		Out-of-frame
TK1-SSB	ch2	169805494 +			ch2	169805494 +	SSB	ENST00000260928	ch2	169805474 +	YCD5-CDS	0	1	1	ber1	In-frame
TK1-CAT	ch2	171117739 +			ch11	34449192 +	CAT	ENST00000241052	ch11	34449192 +	YCD5-CDS	0	1	1	ber1	In-frame
TK1-KCNH7	ch2	171117739 +			ch2	171117739 +	KCNH7	ENST00000328032	ch2	162537080 +	N.CDS-CDS	0	0	1	ber1	Out-of-frame
TK1-XPO7	ch2	171160290 +			ch8	21966857 +	XPO7	ENST00000252512	ch8	21966857 +	N.CDS-CDS	0	1	0		
TK2-FN3KR	ch17	62481206 +			ch17	62481206 +	FN3KR	ENST00000269373	ch17	82718906 +	YCD5-CDS	0	1	0		
TK2-PITPN1	ch17	62481206 +			ch17	62481206 +	PITPN1	ENST00000299954	ch17	67532802 +	YCD5-CDS	0	1	0		
TK2-FN3KR	ch17	62481206 +			ch17	62481206 +	FN3KR	ENST00000269373	ch17	82718906 +	YCD5-CDS	0	1	0	ber1	Out-of-frame
TK2-PITPN1	ch17	62481206 +			ch17	62481206 +	PITPN1	ENST00000299954	ch17	67532802 +	YCD5-CDS	0	1	0		
TK2-THRA	ch17	62536337 +			ch17	62536337 +	THRA	ENST00000264637	ch17	40083835 +	YCD5-CDS	0	1	0		
TK2-THRA	ch17	62536337 +			ch17	62536337 +	THRA	ENST00000264637	ch17	40083835 +	YCD5-CDS	0	1	0		
TK2-IRAK3	ch17	62602180 +			ch17	62602180 +	IRAK3	ENST00000261233	ch17	6262723 +	YCD5-CDS	0	1	0		
TK2-CEP112	ch17	62608148 +			ch17	62608148 +	CEP112	ENST00000317442	ch17	65698218 +	YCD5-CDS	0	1	0		
TK2-SLC11A1	ch9	113256114 +			ch9	113256114 +	SLC11A1	ENST00000374212	ch9	113256114 +	N3UTR-CDS(111)	0	1	0	ber4	NA
TM2D1-STOX2	ch1	61723713 +			ch4	184001325 +	STOX2	ENST00000308497	ch4	184001325 +	YCD5-CDS	0	0	1	ber1	In-frame
TM2D2-GOT1L1	ch8	38993545 +			ch8	37934486 +	GOT1L1	ENST00000307599	ch8	37934486 +	N.CDS-CDS:3X	0	1	0		
TM2D2-GOT1L1	ch8	38993545 +			ch8	37935215 +	GOT1L1	ENST00000307599	ch8	37935215 +	YCD5-CDS	0	1	1	ber2	In-frame
TM2D2-GOT1L1	ch8	38993545 +			ch8	38993545 +	GOT1L1	ENST00000307599	ch8	37935215 +	YCD5-CDS	0	1	1	ber2	In-frame
TM2D2-MSI2	ch8	38995318 +			ch17	57401379 +	MSI2	ENST00000284073	ch17	57401379 +	YCD5-CDS	0	1	0		
TM2D2-IDO2	ch8	38992313 +			ch8	40013565 +	IDO2	ENST00000342595	ch8	40013565 +	N5UTR-SUTR	0	0	1	ber1	In-frame
TM2D2-ADAM9	ch8	38996213 +			ch8	39007886 +	ADAM9	ENST00000379917	ch8	39007886 +	N5UTR-CDS:3X	0	0	1	ber1	Out-of-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	101650004 +			ch15	101650004 +	PTFR	ENST00000357037	ch15	101650004 +	YCD5-CDS	0	1	1	ber1	In-frame
TM2D3-PTFR	ch15	1016														

UBA1-ELK3	chrX	47215126 +	chr12	96194545 +	UBA1	ENST00000358972	chrX	47215126 +	ELK3	ENST00000228741	chr12	96194545 +	N.3UTR-SUTR.27	0	0	1	ter3	3UTR-SUTR
UBA2-GP	chr19	34428570 +	chr19	34478934 +	UBA2	ENST00000246548	chr19	34428570 +	GP1	ENST00000356487	chr19	34478934 +	Y.CDS-CDS	0	0	1	ter1	In-frame
UBA2-FCAC2	chr19	34439766 +	chr19	34439766 +	UBA2	ENST00000246548	chr19	34439766 +	FCAC2	ENST00000246548	chr19	34439766 +	Y.CDS-CDS	0	0	1	ter1	Out-of-frame
UBA2-PDCDCL	chr19	34454521 +	chr19	34452590 +	UBA2	ENST00000246548	chr19	34454521 +	PDCDCL	ENST00000246535	chr19	34452590 +	N.CDS-CDS.3X	0	0	1	ter1	Out-of-frame
UBA2-MIER2	chr19	34450364 +	chr19	34450364 +	UBA2	ENST00000246548	chr19	34450364 +	MIER2	ENST00000264819	chr19	34450364 +	Y.CDS-CDS	0	0	1	ter1	In-frame
UBA2-SMIM17	chr19	34464131 +	chr19	34464131 +	UBA2	ENST00000246548	chr19	34464131 +	SMIM17	ENST00000598409	chr19	34464131 +	N.CDS-CDS.21X	0	0	1	ter1	Out-of-frame
UBA2-LRP3	chr19	34467030 +	chr19	34467030 +	UBA2	ENST00000246548	chr19	34467030 +	LRP3	ENST00000253193	chr19	34467030 +	Y.CDS-CDS	0	0	1	ter1	Out-of-frame
UBA3-FRMD4B	chr3	69176556 +	chr3	69176556 +	UBA3	ENST00000349511	chr3	69176556 +	FRMD4B	ENST00000398540	chr3	69176556 +	N.CDS-CDS.8X	0	0	2	ter1	Out-of-frame
UBA5-UBC	chr19	18573748 +	chr12	124912916 +	UBA52	ENST00000589158	chr19	18573748 +	UBC	ENST00000536769	chr12	124912916 +	N.CDS-CDS.1X	0	0	1	ter1	Out-of-frame
UBA5-UBC1	chr19	18573748 +	chr12	124912916 +	UBA52	ENST00000424744	chr19	18573748 +	UBC	ENST00000536769	chr12	124912916 +	N.CDS-CDS.1X	0	0	1	ter1	Out-of-frame
UBA5-UBC2	chr19	18573748 +	chr12	124912916 +	UBA52	ENST00000430157	chr19	18573748 +	UBC	ENST00000536769	chr12	124912916 +	N.CDS-CDS.1X	0	0	1	ter1	Out-of-frame
UBA6-TMPRSS1D	chr4	67859678 +	chr4	67859678 +	UBA6	ENST00000322244	chr4	67859678 +	TMPRSS11	ENST00000283916	chr4	67859678 +	N.CDS-CDS.58X	0	0	1	ter3	Out-of-frame
UBA6-CCNA2	chr4	67701049 +	chr4	67701049 +	UBA6	ENST00000322244	chr4	67701049 +	CCNA2	ENST00000274026	chr4	67701049 +	N.CDS-CDS	0	0	1	ter2	Out-of-frame
UBA1-QSOX2	chr9	13594798 +	chr9	13594798 +	UBA1	ENST00000337156	chr9	13594798 +	QSOX2	ENST00000358701	chr9	13594798 +	N.CDS-CDS	0	0	1	ter1	Out-of-frame
UBA1-SHANK2	chr9	135961025 +	chr11	71224796 +	UBA1	ENST00000337156	chr9	135961025 +	SHANK2	ENST00000462659	chr11	71224796 +	N.CDS-SUTR	0	0	2	ter1	NA
UBA2-SARM1	chr13	99208939 +	chr17	26284357 +	UBA2	ENST00000355700	chr13	99208939 +	SARM1	ENST00000379991	chr17	26284357 +	N.CDS-SUTR	0	0	1	ter1	Out-of-frame
UBA2-LYBL	chr13	99238574 +	chr13	99238574 +	UBA2	ENST00000403766	chr13	99238574 +	LYBL	ENST00000373555	chr13	99238574 +	Y.CDS-CDS	0	0	1	ter1	Out-of-frame
UBA2-ASNS	chr13	99244624 +	chr7	97869813 +	UBA2	ENST00000403766	chr13	99244624 +	ASNS	ENST00000175506	chr7	97869813 +	N.CDS-SUTR.4X	0	0	1	ter1	CDS-SUTR
UBA2-CLYBL	chr13	99244624 +	chr13	99244624 +	UBA2	ENST00000403766	chr13	99244624 +	CLYBL	ENST00000339105	chr13	99244624 +	Y.CDS-CDS	0	0	1	ter1	Out-of-frame
UBALD2-FMN1	chr17	76265969 +	chr15	32969477 +	UBALD2	ENST00000327940	chr17	76265969 +	FMN1	ENST00000334528	chr15	32969477 +	Y.CDS-CDS	0	0	1	ter1	In-frame
UBALD2-FMN1	chr17	76265969 +	chr15	32969477 +	UBALD2	ENST00000589240	chr17	76265969 +	FMN1	ENST00000334528	chr15	32969477 +	Y.CDS-CDS	0	0	1	ter1	In-frame
UBAP1-NFX1	chr9	34234340 +	chr9	34234340 +	UBAP1	ENST00000297661	chr9	34234340 +	NFX1	ENST00000318524	chr9	34234340 +	N.3UTR-CDS	0	0	1	ter1	Out-of-frame
UBAP1-UNC13B	chr9	34234340 +	chr9	34234340 +	UBAP1	ENST00000297661	chr9	34234340 +	UNC13B	ENST00000378495	chr9	34234340 +	N.CDS-CDS	0	0	1	ter1	Out-of-frame
UBAP1-ADAMTS1	chr9	34234340 +	chr9	34234340 +	UBAP1	ENST00000297661	chr9	34234340 +	ADAMTS1	ENST00000380548	chr9	34234340 +	Y.CDS-CDS	0	0	1	ter1	In-frame
UBAP1-UBE2R2	chr9	34234340 +	chr9	34234340 +	UBAP1	ENST00000297661	chr9	34234340 +	UBE2R2	ENST00000263228	chr9	34234340 +	Y.CDS-CDS	0	0	1	ter1	In-frame
UBAP1-ADAMTS1	chr9	34234340 +	chr9	34234340 +	UBAP1	ENST00000359544	chr9	34234340 +	ADAMTS1	ENST00000380548	chr9	34234340 +	Y.CDS-CDS	0	0	1	ter1	In-frame
UBAP1-UBE2R2	chr9	34234340 +	chr9	34234340 +	UBAP1	ENST00000359544	chr9	34234340 +	UBE2R2	ENST00000263228	chr9	34234340 +	Y.CDS-CDS	0	0	1	ter1	In-frame
UBAP2-C15orf41	chr9	33923186 +	chr15	36808324 +	UBAP2	ENST00000360802	chr9	33923186 +	C15orf41	ENST00000338183	chr15	36808324 +	N.CDS-CDS.40X	0	0	1	ter2	Out-of-frame
UBAP2-SLC26A7	chr9	33923186 +	chr8	91289136 +	UBAP2	ENST00000360802	chr9	33923186 +	SLC26A7	ENST00000276609	chr8	91289136 +	N.CDS-CDS.13X	0	0	1	ter1	Out-of-frame
UBAP2-SLC26A7	chr9	33923186 +	chr8	91289136 +	UBAP2	ENST00000360802	chr9	33923186 +	SLC26A7	ENST00000276609	chr8	91289136 +	N.CDS-CDS.13X	0	0	1	ter1	Out-of-frame
UBAP2-NCFA	chr9	33986760 +	chr22	36875653 +	UBAP2	ENST00000360802	chr9	33986760 +	NCFA	ENST00000397147	chr22	36875653 +	N.CDS-CDS.4X	0	0	1	ter1	Out-of-frame
UBAP2-TEAD1	chr9	33986760 +	chr9	33986760 +	UBAP2	ENST00000360802	chr9	33986760 +	TEAD1	ENST00000334310	chr9	33986760 +	Y.CDS-CDS	0	0	1	ter1	Out-of-frame
UBAP2-APTX	chr9	34017050 +	chr9	34017050 +	UBAP2	ENST00000360802	chr9	34017050 +	APTX	ENST00000309615	chr9	34017050 +	N.CDS-ND.1X	0	0	1	ter1	In-frame
UBAP2-APTX	chr9	34017050 +	chr9	34017050 +	UBAP2	ENST00000360802	chr9	34017050 +	APTX	ENST00000379819	chr9	34017050 +	Y.CDS-ND	0	0	1	ter1	In-frame
UBAP2-APTX	chr9	34017050 +	chr9	34017050 +	UBAP2	ENST00000360802	chr9	34017050 +	APTX	ENST00000379819	chr9	34017050 +	Y.CDS-ND	0	0	1	ter1	In-frame
UBAP2-DCAF12	chr9	34017050 +	chr9	34017050 +	UBAP2	ENST00000360802	chr9	34017050 +	DCAF12	ENST00000361264	chr9	34017050 +	Y.CDS-CDS	0	0	1	ter3	In-frame
UBAP2-APTX	chr9	34017050 +	chr9	34017050 +	UBAP2	ENST00000360802	chr9	34017050 +	APTX	ENST00000463596	chr9	34017050 +	N.CDS-ND.1X	0	0	1	ter1	In-frame
UBAP2-APTX	chr9	34017050 +	chr9	34017050 +	UBAP2	ENST00000360802	chr9	34017050 +	APTX	ENST00000379825	chr9	34017050 +	Y.CDS-CDS	0	0	1	ter1	In-frame
UBAP2-USP34	chr9	34017050 +	chr9	34017050 +	UBAP2	ENST00000360802	chr9	34017050 +	USP34	ENST00000398571	chr9	34017050 +	Y.CDS-CDS	0	0	1	ter1	In-frame
UBAP2-APTX	chr9	34017050 +	chr9	34017050 +	UBAP2	ENST00000360802	chr9	34017050 +	APTX	ENST00000397172	chr9	34017050 +	Y.CDS-CDS	0	0	1	ter1	Out-of-frame
UBAP2-APTX	chr9	34017050 +	chr9	34017050 +	UBAP2	ENST00000360802	chr9	34017050 +	APTX	ENST00000379817	chr9	34017050 +	Y.CDS-CDS	0	0	1	ter1	In-frame
UBAP2-APTX	chr9	34017050 +	chr9	34017050 +	UBAP2	ENST00000360802	chr9	34017050 +	APTX	ENST00000379817	chr9	34017050 +	N.CDS-ND.5X	0	0	1	ter1	In-frame
UBAP2-APTX	chr9	34017050 +	chr9	34017050 +	UBAP2	ENST00000360802	chr9	34017050 +	APTX	ENST00000468275	chr9	34017050 +	Y.CDS-ND.1X	0	0	1	ter1	In-frame
UBAP2-APTX	chr9	34017050 +	chr9	34017050 +	UBAP2	ENST00000379238	chr9	34017050 +	APTX	ENST00000309615	chr9	34017050 +	N.CDS-ND.1X	0	0	1	ter1	In-frame
UBAP2-APTX	chr9	34017050 +	chr9	34017050 +	UBAP2	ENST00000379238	chr9	34017050 +	APTX	ENST00000436040	chr9	34017050 +	Y.CDS-CDS	0	0	1	ter1	In-frame
UBAP2-USP34	chr9	34017050 +	chr2	61284957 +	UBAP2	ENST00000379238	chr9	34017050 +	USP34	ENST00000398571	chr2	61284957 +	Y.CDS-CDS	0	0	1	ter1	In-frame
UBAP2-APTX	chr9	34017050 +	chr9	34017050 +	UBAP2	ENST00000379238	chr9	34017050 +	APTX	ENST00000436040	chr9	34017050 +	Y.CDS-CDS	0	0	1	ter1	Out-of-frame
UBAP2-APTX	chr9	34017050 +	chr9	34017050 +	UBAP2	ENST00000379238	chr9	34017050 +	APTX	ENST00000379817	chr9	34017050 +	N.CDS-ND.5X	0	0	1	ter1	In-frame
UBASH3A-SFTA2	chr21	12656210 +	chr6	30931795 +	UBASH3A	ENST00000291539	chr21	12656210 +	SFTA2	ENST00000359086	chr6	30931795 +	N.CDS-CDS	0	0	1	ter2	In-frame
UBASH3B-GRK4	chr11	12656210 +	chr11	12656210 +	UBASH3B	ENST00000284273	chr11	12656210 +	GRK4	ENST00000438375	chr11	12656210 +	N.CDS-CDS	0	0	1	ter1	Out-of-frame
UBB-SMARCA4	chr17	10984332 +	chr17	10984332 +	UBB	ENST00000302182	chr17	10984332 +	SMARCA4	ENST00000344626	chr17	10984332 +	N.CDS-CDS	0	0	1	ter1	Out-of-frame
UBE2C-CDH26	chr20	59968967 +	chr20	59968967 +	UBE2C	ENST00000335046	chr20	59968967 +	CDH26	ENST00000348616	chr20	59968967 +	Y.CDS-CDS	0	0	1	ter1	Out-of-frame
UBE2C-CDH26	chr20	59968967 +	chr20	59968967 +	UBE2C	ENST00000372568	chr20	59968967 +	CDH26	ENST00000348616	chr20	59968967 +	Y.CDS-CDS	0	0	1	ter1	Out-of-frame
UBE2D1-MFSD11	chr10	58335225 +	chr10	58335225 +	UBE2D1	ENST00000373910	chr10	58335225 +	MFSD11	ENST00000336909	chr10	58335225 +	N.CDS-CDS	0	0	1	ter3	Out-of-frame
UBE2D1-MFSD11	chr10	58335225 +	chr10	58335225 +	UBE2D1	ENST00000373910	chr10	58335225 +	MFSD11	ENST00000336909	chr10	58335225 +	N.CDS-CDS	0	0	1	ter3	Out-of-frame
UBE2D1-SND1	chr5	13986185 +	chr7	128074502 +	UBE2D2	ENST00000398733	chr5	13986185 +	SND1	ENST00000354725	chr7	128074502 +	Y.CDS-CDS	0	0	1	ter4	In-frame
UBE2D2-CNTNNA1	chr5	13986185 +	chr5	13986185 +	UBE2D2	ENST00000253815												

USP22-SLC39A11	chr17	21042665	chr17	21042665	USP22	ENST00000261497	chr17	21042665	SLC39A11	ENST00000255959	chr17	72736719	chr17	72736719	N.CDS-CDS	0	0	1	1er1	Out-of-frame
USP22-ATP2A3	chr17	21042665	chr17	3945148	USP22	ENST00000261497	chr17	21042665	ATP2A3	ENST00000309890	chr17	3945148	chr17	3945148	Y.CDS-CDS	0	0	1	1er3	In-frame
USP22-RNF167	chr17	21042665	chr17	21042665	USP22	ENST00000261497	chr17	21042665	RNF167	ENST00000257617	chr17	21042665	chr17	21042665	N.CDS-CDS.1X	0	0	1	1er1	Out-of-frame
USP22-MYO19	chr17	21042665	chr17	36496406	USP22	ENST00000261497	chr17	21042665	MYO19	ENST00000619303	chr17	36496406	chr17	36496406	Y.CDS-CDS	0	0	1	0	--
USP24-DHCR24	chr1	55171556	chr1	55171556	USP24	ENST00000294383	chr1	55171556	DHCR24	ENST00000371269	chr1	54871613	chr1	54871613	Y.CDS-CDS	0	0	1	0	--
USP25-DZIP3	chr21	15791664	chr21	108674078	USP25	ENST00000285679	chr21	15791664	DZIP3	ENST00000361582	chr3	108674078	chr3	108674078	Y.CDS-CDS	0	0	1	1er1	In-frame
USP25-PCNT	chr21	15811210	chr21	46421970	USP25	ENST00000285679	chr21	15811210	PCNT	ENST00000359568	chr21	46421970	chr21	46421970	Y.CDS-CDS	0	0	1	1er4	In-frame
USP25-CYR1	chr21	15818846	chr21	26486834	USP25	ENST00000285679	chr21	15818846	CYR1	ENST00000299340	chr21	26486834	chr21	26486834	N.CDS-ND.20X	0	0	1	1er1	CDS-3UTR
USP25-CYR1	chr21	15818846	chr21	26486831	USP25	ENST00000285679	chr21	15818846	CYR1	ENST00000299340	chr21	26486831	chr21	26486831	N.CDS-CDS.20X	0	0	1	0	--
USP25-CAPN3	chr21	15831629	chr21	42384483	USP25	ENST00000285679	chr21	15831629	CAPN3	ENST00000318023	chr15	42384483	chr15	42384483	N.CDS-CDS.38X	0	0	1	1er1	Out-of-frame
USP3-HERC1	chr15	63564030	chr15	63563204	USP3	ENST00000380324	chr15	63564030	HERC1	ENST00000443617	chr15	63563204	chr15	63563204	Y.CDS-CDS	0	0	1	1er3	SUTR-CDS
USP3-TLN2	chr15	62819516	chr15	62819516	USP3	ENST00000260949	chr15	62819516	TLN2	ENST00000489129	chr15	62819516	chr15	62819516	N.CDS-SUTR.1X	0	0	1	1er2	Out-of-frame
USP3-SOD1	chr15	63590769	chr21	31659783	USP3	ENST00000380324	chr15	63590769	SOD1	ENST00000270142	chr21	31659783	chr21	31659783	N.CDS-CDS.1X	0	0	1	0	--
USP30-STAB2	chr12	103740630	chr12	103740630	USP30	ENST00000257548	chr12	103740630	STAB2	ENST00000388887	chr12	103740630	chr12	103740630	Y.CDS-CDS	0	0	1	1er2	In-frame
USP31-GGA2	chr16	23072045	chr16	23488709	USP31	ENST00000219689	chr16	23072045	GGA2	ENST00000309659	chr16	23488709	chr16	23488709	Y.CDS-CDS	0	0	1	0	--
USP31-GGA2	chr16	23072045	chr16	23488709	USP31	ENST00000219689	chr16	23072045	GGA2	ENST00000309659	chr16	23488709	chr16	23488709	Y.CDS-CDS	0	0	1	0	--
USP31-ERJ2	chr16	23102319	chr16	20804042	USP31	ENST00000219689	chr16	23102319	ERJ2	ENST00000300005	chr16	20804042	chr16	20804042	Y.CDS-CDS	0	0	1	1er2	In-frame
USP31-RHD	chr16	23102319	chr16	25284573	USP31	ENST00000219689	chr16	23102319	RHD	ENST00000328664	chr1	25284573	chr1	25284573	Y.CDS-CDS	0	0	1	1er1	In-frame
USP31-MKL2	chr16	23148638	chr16	14258101	USP31	ENST00000219689	chr16	23148638	MKL2	ENST00000318282	chr16	14258101	chr16	14258101	Y.CDS-CDS	0	0	1	1er2	In-frame
USP31-ELAVL2	chr16	23148638	chr9	23762249	USP31	ENST00000219689	chr16	23148638	ELAVL2	ENST00000380110	chr9	23762249	chr9	23762249	Y.CDS-CDS	0	0	1	1er2	CDS-SUTR
USP31-SNRNP25	chr16	23148638	chr16	23148638	USP31	ENST00000219689	chr16	23148638	SNRNP25	ENST00000383018	chr16	23148638	chr16	23148638	Y.CDS-CDS	0	0	1	1er3	In-frame
USP31-PRKCB	chr16	23148638	chr16	23988508	USP31	ENST00000219689	chr16	23148638	PRKCB	ENST00000303531	chr16	23988508	chr16	23988508	N.CDS-CDS	0	0	1	1er1	Out-of-frame
USP31-PCNA1	chr17	60223411	chr17	60223411	USP31	ENST00000219689	chr17	60223411	PCNA1	ENST00000275815	chr7	60223411	chr7	60223411	Y.CDS-CDS	0	0	1	0	--
USP32-TRPC4AP	chr20	35069412	chr20	35069412	USP32	ENST00000592339	chr17	60226039	TRPC4AP	ENST00000520105	chr17	60226039	chr20	35069412	N.CDS-CDS.7X	0	0	1	0	--
USP32-PGS1	chr17	60252381	chr17	78419546	USP32	ENST00000300996	chr17	60252381	PGS1	ENST00000262764	chr17	78419546	chr17	78419546	N.CDS-CDS.25X	0	0	1	0	--
USP32-EXOSC5	chr17	60252381	chr19	41392980	USP32	ENST00000300996	chr17	60252381	EXOSC5	ENST00000212333	chr19	41392980	chr19	41392980	N.CDS-CDS.20X	0	0	1	1er4	Out-of-frame
USP32-EXOSC5	chr17	60252381	chr19	41392980	USP32	ENST00000300996	chr17	60252381	EXOSC5	ENST00000212333	chr19	41392980	chr19	41392980	N.CDS-CDS.3X	0	0	1	1er4	Out-of-frame
USP32-LRRC37A2	chr17	60294683	chr17	60294683	USP32	ENST00000300996	chr17	60294683	LRRC37A2	ENST00000334142	chr17	60294683	chr17	60294683	Y.CDS-CDS	0	0	1	0	--
USP32-APPB2	chr17	60294683	chr17	6050487	USP32	ENST00000300996	chr17	60294683	APPB2	ENST00000308182	chr17	6050487	chr17	6050487	Y.CDS-CDS	0	0	1	1er1	In-frame
USP32-APPB2	chr17	60294683	chr17	6050487	USP32	ENST00000300996	chr17	60294683	APPB2	ENST00000308182	chr17	6050487	chr17	6050487	Y.CDS-CDS	0	0	1	1er1	In-frame
USP32-MAP3K3	chr17	60345481	chr17	60345481	USP32	ENST00000300996	chr17	60345481	MAP3K3	ENST00000361537	chr17	60345481	chr17	60345481	N.CDS-CDS.3X	0	0	1	0	--
USP32-PCTP	chr17	60391882	chr17	55767335	USP32	ENST00000300996	chr17	60391882	PCTP	ENST00000573500	chr17	55767335	chr17	55767335	N.CDS-CDS	0	0	1	0	--
USP32-NPTN	chr17	60391882	chr17	73573795	USP32	ENST00000300996	chr17	60391882	NPTN	ENST00000453330	chr15	73573795	chr15	73573795	Y.CDS-CDS	0	0	1	0	--
USP32-GPR137	chr17	60391882	chr11	64286510	USP32	ENST00000300996	chr17	60391882	GPR137	ENST00000411458	chr11	64286510	chr11	64286510	N.CDS-CDS	0	0	1	0	--
USP32-PSMD12	chr17	60391882	chr17	67350336	USP32	ENST00000300996	chr17	60391882	PSMD12	ENST00000356126	chr17	67350336	chr17	67350336	N.CDS-CDS	0	0	1	0	--
USP32-FLK4	chr17	60391882	chr17	60391882	USP32	ENST00000300996	chr17	60391882	FLK4	ENST00000278185	chr17	60391882	chr17	60391882	Y.CDS-CDS	0	0	1	1er1	In-frame
USP32-PCTP	chr17	60391882	chr17	55767335	USP32	ENST00000300996	chr17	60391882	PCTP	ENST00000573500	chr17	55767335	chr17	55767335	N.CDS-CDS	0	0	1	0	--
USP32-NPTN	chr17	60391882	chr15	73573795	USP32	ENST00000300996	chr17	60391882	NPTN	ENST00000453330	chr15	73573795	chr15	73573795	Y.CDS-CDS	0	0	1	0	--
USP32-GPR137	chr17	60391882	chr11	64286510	USP32	ENST00000300996	chr17	60391882	GPR137	ENST00000411458	chr11	64286510	chr11	64286510	N.CDS-CDS	0	0	1	0	--
USP32-PSMD12	chr17	60391882	chr17	67350336	USP32	ENST00000300996	chr17	60391882	PSMD12	ENST00000356126	chr17	67350336	chr17	67350336	N.CDS-CDS	0	0	1	0	--
USP33-CDC5C3	chr1	77711747	chr1	102013192	USP33	ENST00000357428	chr1	77711747	CDC5C3	ENST00000420079	chr12	102013192	chr12	102013192	N.CDS-CDS.40X	0	0	1	1er1	Out-of-frame
USP33-CDK12	chr1	77759643	chr1	39470879	USP33	ENST00000370792	chr1	77759643	CDK12	ENST00000430627	chr12	39470879	chr12	39470879	N.CDS-CDS	0	0	1	1er1	SUTR-CDS
USP33-TSHZ2	chr2	611614554	chr2	611614554	USP33	ENST00000370792	chr2	611614554	TSHZ2	ENST00000428997	chr20	53487144	chr20	53487144	N.SUTR-SUTR.14X	0	0	1	1er2	Out-of-frame
USP34-ZNF2	chr2	61222619	chr2	95176188	USP34	ENST00000398571	chr2	61222619	ZNF2	ENST00000611147	chr2	95176188	chr2	95176188	Y.CDS-SUTR	0	0	1	1er1	CDS-SUTR
USP34-CARDK	chr2	61241560	chr13	110634545	USP34	ENST00000398571	chr2	61241560	CARDK	ENST00000424185	chr13	110634545	chr13	110634545	Y.CDS-CDS	0	0	1	1er3	In-frame
USP34-FAM161A	chr2	61259711	chr2	61259711	USP34	ENST00000398571	chr2	61259711	FAM161A	ENST00000404929	chr2	61259711	chr2	61259711	Y.CDS-CDS	0	0	1	1er1	In-frame
USP34-KIAA1841	chr2	61319173	chr2	61068849	USP34	ENST00000398571	chr2	61319173	KIAA1841	ENST00000295031	chr2	61068849	chr2	61068849	N.CDS-SUTR.118X	0	0	1	1er2	CDS-SUTR
USP34-ZNF638	chr2	61420746	chr2	71355719	USP34	ENST00000398571	chr2	61420746	ZNF638	ENST00000264447	chr2	71355719	chr2	71355719	N.CDS-CDS	0	0	1	0	--
USP34-FLKHG1	chr2	61420746	chr2	61420746	USP34	ENST00000398571	chr2	61420746	FLKHG1	ENST00000276586	chr2	61420746	chr2	61420746	N.CDS-CDS	0	0	1	1er4	Out-of-frame
USP34-KDM8B	chr2	61470650	chr2	51191118	USP34	ENST00000398571	chr2	61470650	KDM8B	ENST00000536461	chr19	51191118	chr19	51191118	N.CDS-CDS	0	0	1	0	--
USP34-WDR92	chr2	61470650	chr2	68147567	USP34	ENST00000398571	chr2	61470650	WDR92	ENST00000295121	chr2	68147567	chr2	68147567	N.CDS-CDS	0	0	1	1er1	Out-of-frame
USP34-CCT4	chr2	61470650	chr2	61885072	USP34	ENST00000398571	chr2	61470650	CCT4	ENST00000394440	chr2	61885072	chr2	61885072	Y.CDS-CDS	0	0	1	1er1	In-frame
USP34-FAM178B	chr2	61470650	chr2	96947902	USP34	ENST00000398571	chr2	61470650	FAM178B	ENST00000478871	chr2	96947902	chr2	96947902	N.CDS-SUTR	0	0	1	0	--
USP34-CDC117	chr2	61470650	chr22	28773725	USP34	ENST00000398571	chr2	61470650	CDC117	ENST00000249064	chr22	28773725	chr22	28773725	N.CDS-CDS	0	0	1	1er1	Out-of-frame
USP35-RNF169	chr11	74789626	chr11	74789626	USP35	ENST00000289101	chr11	74789626	RNF169	ENST00000299563	chr11	74789626	chr11	74789626	N.SUTR-CDS.1X	0	0	1	1er4	SUTR-CDS
USP35-TRAF1	chr11	74789626	chr11	74789626	USP35	ENST00000289101	chr11	74789626	TRAF1	ENST00000321498	chr11	74789626	chr11	74789626	N.CDS-CDS	0	0	1	1er1	Out-of-frame
USP35-CHRD12	chr11	78200808	chr11	74718832	USP35	ENST00000528425	chr11	78200808	CHRD12	ENST00000263671	chr11	74718832	chr11	74718832	N.CDS-CDS	0	0	1	0	--
USP36-DNA																				

VAC14-CDH8	chr16	70731495	chr16	61901473	chr16	ENST00000261776	chr16	70731495	CDH8	ENST00000299345	chr16	61901473	N.CDS-CDS:1X	0	0	1	1er1	Out-of-frame	
VAC14-HYDN	chr16	70807797	chr16	61907796	chr16	VAC14	ENST00000261776	chr16	70807797	HYDN	ENST00000393567	chr16	70879756	N.CDS-CDS	0	0	1	2er2	Out-of-frame
VAMP1	chr12	6460696	chr12	6460696	chr12	VAMP1	ENST00000238191	chr12	6460696	BRD3	ENST00000303407	chr12	66024937	Y.CDS-CDS	0	0	1	1er1	Out-of-frame
VAMP4-MYRF1	chr1	171738349	chr1	6926571	chr1	VAMP4	ENST00000238191	chr1	171738349	MYRF1	ENST00000547771	chr1	6926571	Y.CDS-CDS	0	1	0	0	0
VANGL2-PDE4DIP	chr1	16040869	chr1	148863250	chr1	VANGL2	ENST00000360861	chr1	16040869	PDE4DIP	ENST00000524974	chr1	148863250	N.SUTR-CDS	0	0	1	1er1	5UTR-CDS
VAPAMETTL4	chr18	9914335	chr18	2547529	chr18	VAPA	ENST00000340541	chr18	9914335	METTL4	ENST00000198888	chr18	2547529	N.CDS-CDS	0	0	1	2er2	Out-of-frame
VAPARAB31	chr18	9937066	chr18	9937066	chr18	VAPA	ENST00000340541	chr18	9937066	RAB31	ENST00000578921	chr18	9937066	Y.CDS-CDS	0	0	1	1er1	In-frame
VAPB-CASS4	chr20	58389517	chr20	58389517	chr20	VAPB	ENST00000395802	chr20	58389517	CASS4	ENST00000360314	chr20	58458340	N.CDS-CDS	0	0	1	1er1	Out-of-frame
VAPB-ICZF3	chr20	58389517	chr20	58389517	chr20	VAPB	ENST00000395802	chr20	58389517	ICZF3	ENST00000348872	chr20	58389517	Y.CDS-ND	0	1	0	0	0
VAPB-ICZF3	chr20	58389517	chr20	58389517	chr20	VAPB	ENST00000395802	chr20	58389517	ICZF3	ENST00000348872	chr20	58389517	Y.CDS-ND	0	1	0	0	0
VAPB-CASS4	chr20	58389517	chr20	58389517	chr20	VAPB	ENST00000265619	chr20	58389517	CASS4	ENST00000360314	chr20	58458340	N.SUTR-CDS	0	0	1	1er1	Out-of-frame
VAPB-PKIA	chr20	58389517	chr20	78572811	chr20	VAPB	ENST00000265619	chr20	58389517	PKIA	ENST00000396418	chr20	78572811	Y.CDS-SUTR	0	0	1	1er1	Out-of-frame
VAPB-CDH12	chr20	58434705	chr20	58434705	chr20	VAPB	ENST00000475243	chr20	58434705	CDH12	ENST00000382254	chr20	58434705	Y.CDS-CDS	0	0	1	1er1	In-frame
VAPB-CDH12	chr20	58434705	chr20	58434705	chr20	VAPB	ENST00000463370	chr20	58434705	CDH12	ENST00000382254	chr20	58434705	N.SUTR-CDS:10X	0	0	1	1er1	In-frame
VARS-HSPA1L	chr6	31795546	chr6	31811985	chr6	VARS	ENST00000375663	chr6	31795546	HSPA1L	ENST00000376564	chr6	31811985	N.SUTR-SUTR	0	0	1	1er4	5UTR-SUTR
VASP-C1orf87	chr19	45507776	chr19	60041131	chr19	VASP	ENST00000245932	chr19	45507776	C1orf87	ENST00000371201	chr19	60041131	N.CDS-CDS	0	0	1	1er1	Out-of-frame
VASP-NDUFA3	chr19	54105934	chr19	54105934	chr19	VASP	ENST00000245932	chr19	54105934	NDUFA3	ENST00000391763	chr19	54105934	Y.CDS-CDS	0	1	0	0	0
VASP-NDUFA3	chr19	54105934	chr19	54105934	chr19	VASP	ENST00000245932	chr19	54105934	NDUFA3	ENST00000391763	chr19	54105934	Y.CDS-CDS	0	1	0	0	0
VAT1-CTNND1	chr17	43014607	chr17	43014607	chr17	VAT1	ENST00000356653	chr17	43014607	CTNND1	ENST00000358694	chr17	43014607	N.SUTR-CDS:3X	0	0	1	1er1	3UTR-CDS
VAT1-COL5A1	chr17	43014607	chr17	43014607	chr17	VAT1	ENST00000356653	chr17	43014607	COL5A1	ENST00000371817	chr17	43014607	Y3UTR-SUTR:2X	0	0	1	1er3	3UTR-SUTR
VAT1-BCAS3	chr17	43014607	chr17	43014607	chr17	VAT1	ENST00000356653	chr17	43014607	BCAS3	ENST00000589222	chr17	43014607	N.SUTR-CDS:7X	0	0	1	1er3	NA
VAV1-C1orf198	chr19	6843186	chr19	6843186	chr19	VAV1	ENST00000304076	chr19	6843186	C1orf198	ENST00000366663	chr19	6843186	N.CDS-CDS:29X	0	0	1	1er2	Out-of-frame
VAV2-BRD3	chr9	13392075	chr9	13392075	chr9	VAV2	ENST00000371850	chr9	13392075	BRD3	ENST00000303407	chr9	134033705	N.CDS-CDS:7X	0	0	1	1er1	Out-of-frame
VAV2-BRD3	chr9	13392075	chr9	13392075	chr9	VAV2	ENST00000371850	chr9	13392075	BRD3	ENST00000303407	chr9	134033705	N.CDS-CDS	0	0	1	1er2	Out-of-frame
VAV2-TMEM8C	chr9	13392075	chr9	13392075	chr9	VAV2	ENST00000371850	chr9	13392075	TMEM8C	ENST00000339996	chr9	133520288	Y.CDS-CDS	0	1	0	0	0
VAV2-COL27A1	chr9	13392075	chr9	114284724	chr9	VAV2	ENST00000371850	chr9	13392075	COL27A1	ENST00000356083	chr9	114284724	Y.CDS-CDS	0	0	1	1er1	In-frame
VAV2-BRD3	chr9	13392075	chr9	13392075	chr9	VAV2	ENST00000371850	chr9	13392075	BRD3	ENST00000303407	chr9	134034521	Y.CDS-CDS	0	0	1	1er1	In-frame
VAV2-RXRA	chr9	13392075	chr9	13392075	chr9	VAV2	ENST00000371850	chr9	13392075	RXRA	ENST00000356384	chr9	134401632	N.CDS-SUTR:1X	0	0	1	1er1	Out-of-frame
VAV2-BRD3	chr9	13392075	chr9	13392075	chr9	VAV2	ENST00000371850	chr9	13392075	BRD3	ENST00000303407	chr9	134034521	N.CDS-SUTR:1X	0	0	1	1er2	CDS-SUTR
VAV2-C1orf198	chr19	6843186	chr19	6843186	chr19	VAV2	ENST00000371850	chr19	6843186	C1orf198	ENST00000366663	chr19	6843186	Y.CDS-ND	0	1	0	0	0
VAV2-ZHX2	chr1	107586217	chr1	107586217	chr1	VAV2	ENST00000342558	chr1	107586217	ZHX2	ENST00000314393	chr1	122863477	N.SUTR-SUTR:4X	0	0	1	1er1	CDS-SUTR
VAV2-PAIP2B	chr2	70900868	chr2	70900868	chr2	VAV2	ENST00000234392	chr2	70900868	PAIP2B	ENST00000244221	chr2	70900868	Y.CDS-SUTR	0	0	1	1er1	CDS-SUTR
VBP1-GABRA3	chrX	155216575	chrX	155216575	chrX	VBP1	ENST00000286428	chrX	155216575	GABRA3	ENST00000370314	chrX	155216575	N.CDS-CDS	0	0	1	1er1	Out-of-frame
VBP1-BRCC3	chrX	155216575	chrX	155216575	chrX	VBP1	ENST00000286428	chrX	155216575	BRCC3	ENST00000330045	chrX	155072327	Y.CDS-CDS	0	2	1	1er4	In-frame
VBP1-BRCC3	chrX	155216575	chrX	155216575	chrX	VBP1	ENST00000286428	chrX	155216575	BRCC3	ENST00000330045	chrX	155072327	Y.CDS-CDS	0	2	1	1er4	In-frame
VCAN-GABRA5	chr5	8355322	chr5	8355322	chr5	VCAN	ENST00000265077	chr5	8355322	GABRA5	ENST00000335625	chr5	26843215	N.CDS-CDS	0	1	1er1	In-frame	
VCL-ZSWIM8	chr10	73793588	chr10	73793588	chr10	VCL	ENST00000211998	chr10	73793588	ZSWIM8	ENST00000398706	chr10	73793588	Y.CDS-CDS	0	1	1er2	1	In-frame
VCL-SEC24C	chr10	74043153	chr10	73766760	chr10	VCL	ENST00000211998	chr10	74043153	SEC24C	ENST00000339365	chr10	73766760	Y.CDS-CDS	0	0	1	1er1	In-frame
VCL-SFXN2	chr10	74043153	chr10	102726612	chr10	VCL	ENST00000211998	chr10	74043153	SFXN2	ENST00000368893	chr10	102726612	Y.CDS-SUTR	0	0	1	1er1	CDS-SUTR
VCL-SFTPD	chr10	74049662	chr10	79946662	chr10	VCL	ENST00000211998	chr10	74049662	SFTPD	ENST00000372292	chr10	79946662	Y.CDS-SUTR	0	0	1	1er1	CDS-SUTR
VCP-C9orf131	chr9	35072337	chr9	35072337	chr9	VCP	ENST00000358901	chr9	35072337	C9orf131	ENST00000312292	chr9	35072337	N.CDS-CDS	0	0	1	1er2	Out-of-frame
VCPH1-CDH17	chr8	66651458	chr8	94165976	chr8	VCPH1	ENST00000310421	chr8	66651458	CDH17	ENST00000273358	chr8	94165976	Y.CDS-CDS	0	1	0	0	0
VDAC1	chr15	73116540	chr15	73116540	chr15	VDAC2	ENST00000543351	chr15	73116540	VDAC2	ENST00000543351	chr15	73116540	Y.CDS-CDS	0	1	0	0	0
VDAC2-NEO1	chr10	75211189	chr10	75211189	chr10	VDAC2	ENST00000543351	chr10	75211189	NEO1	ENST00000261908	chr10	75211189	Y.CDS-CDS	0	1	1er1	1	In-frame
VEGFA-STK38	chr6	3649990	chr6	3649990	chr6	VEGFA	ENST00000239480	chr6	3649990	STK38	ENST00000229812	chr6	3649990	Y.CDS-CDS	0	1	2	1er1	In-frame
VEGFA-HIST1H4H	chr6	3649990	chr6	3649990	chr6	VEGFA	ENST00000239480	chr6	3649990	HIST1H4H	ENST00000345650	chr6	3649990	N.CDS-SUTR:2X	0	0	1	1er1	CDS-SUTR
VEZF1-KRT22	chr17	57989079	chr17	57989079	chr17	VEZF1	ENST00000286428	chr17	57989079	KRT22	ENST00000394052	chr17	57989079	Y.CDS-CDS	0	1	1er1	1	In-frame
VEZF1-KRT22	chr17	57989079	chr17	57989079	chr17	VEZF1	ENST00000286428	chr17	57989079	KRT22	ENST00000394052	chr17	57989079	Y.CDS-CDS	0	1	1er1	1	In-frame
VEZF1-DOX42	chr17	57989079	chr17	63787034	chr17	VEZF1	ENST00000286428	chr17	57989079	DOX42	ENST00000389624	chr17	63787034	N.CDS-SUTR	0	0	1	1er1	CDS-SUTR
VEZF1-FGFB	chr12	95217886	chr12	95217886	chr12	VEZF1	ENST00000286428	chr12	95217886	FGFB	ENST00000358691	chr12	95217886	N.CDS-CDS	0	1	1er1	1	Out-of-frame
VEZT1-C1orf229	chr12	95252012	chr12	95252012	chr12	VEZT1	ENST00000286428	chr12	95252012	C1orf229	ENST00000358691	chr12	95252012	N.SUTR-CDS:1X	0	0	1	1er1	Out-of-frame
VEZT1-C1orf229	chr12	95252012	chr12	95252012	chr12	VEZT1	ENST00000286428	chr12	95252012	C1orf229	ENST00000358691	chr12	95252012	N.SUTR-CDS:1X	0	0	1	1er1	Out-of-frame
VEZT1-C1orf229	chr12	95252012	chr12	95252012	chr12	VEZT1	ENST00000286428	chr12	95252012	C1orf229	ENST00000358691	chr12	95252012	N.SUTR-CDS:1X	0	0	1	1er1	Out-of-frame
VEZT1-C1orf229	chr12	95252012	chr12	95252012	chr12	VEZT1	ENST00000286428	chr12	95252012	C1orf229	ENST00000358691	chr12	95252012	N.SUTR-CDS:1X	0	0	1	1er1	Out-of-frame
VEZT1-C1orf229	chr12	95252012	chr12	95252012	chr12	VEZT1	ENST00000286428	chr12	95252012	C1orf229	ENST00000358691	chr12	95252012	N.SUTR-CDS:1X	0	0	1	1er1	Out-of-frame
VEZT1-C1orf229	chr12	95252012	chr12	95252012	chr12	VEZT1	ENST00000286428	chr12	95252012	C1orf229	ENST00000358691	chr12	95252012	N.SUTR-CDS:1X	0	0	1	1er1	Out-of-frame
VEZT1-C1orf229	chr12	95252012	chr12	95252012	chr12	VEZT1	ENST00000286428	chr12	95252012	C1orf229	ENST00000358691	chr12	95252012	N.SUTR-CDS:1X	0	0	1	1er1	Out-of-frame
VEZT1-C1orf229	chr12	95252012	chr12	95252012	chr12	VEZT1	ENST00000286428	chr12	95252012	C1orf229	ENST00000358691	chr12	95252012	N.SUTR-CDS:1X	0	0	1	1er1	Out-of-frame
VEZT1-C1orf229	chr12	95252012	chr12	95252012	chr12	VEZT1	ENST00000286428	chr12	95252012	C1orf229	ENST00000358691	chr12	95252012	N.SUTR-CDS:1X	0	0	1	1er1	Out-of-frame
VEZT1-C1orf229	chr12	95252012	chr12	95252012	chr12	VEZT1	ENST00000286428	chr12	95252012	C1orf229	ENST00000358691	chr12	95252012	N.SUTR-CDS:1X	0	0	1	1er1	Out-of-frame
VEZT1-C1orf229	chr12	95252012	chr12	95252012	chr12	VEZT1	ENST00000286428	chr12	9525201										

VIIA-ACSL5	chr10	11239418 +	chr10	11239418 +	VIIA	ENST0000033077	chr10	11239418 +	ACSL5	ENST00000334273	chr10	11239418 +	N.CDS-SUTR	0	0	1	1er1	CDS-SUTR
VIIA-C10orf90	chr10	112538330 +	chr10	112538330 +	VIIA	ENST0000033077	chr10	112538330 +	C10orf90	ENST00000284694	chr10	112538330 +	Y.CDS-CDS	0	1	1	2er2	CDS-SUTR
VIIA-1	chr10	112538330 +	chr10	112538330 +	VIIA	ENST0000033077	chr10	112538330 +	VIIA	ENST0000033077	chr10	112538330 +	Y.CDS-CDS	0	1	1	1er1	In-frame
VIIA-GTF2H5	chr10	112538330 +	chr10	112538330 +	VIIA	ENST0000033077	chr10	112538330 +	GTF2H5	ENST00000607778	chr10	112538330 +	N.CDS-CDS	0	1	0	0	-
VTN-SERPINC1	chr17	28369289 +	chr17	28369289 +	VTN	ENST00000226218	chr17	28369289 +	SERPINC1	ENST00000367698	chr17	28369289 +	Y.CDS-CDS	0	1	0	0	-
VWA2-IDE	chr10	114282571 +	chr10	114282571 +	VWA2	ENST00000298175	chr10	114282571 +	IDE	ENST00000265986	chr10	114282571 +	N.SUTR-CDS	0	0	1	2er2	Out-of-frame
VWA8-RB1	chr13	41865736 +	chr13	41865736 +	VWA8	ENST00000281496	chr13	41865736 +	RB1	ENST00000271633	chr13	41865736 +	Y.CDS-CDS	0	1	1	1er3	In-frame
VWA8-COGS	chr13	41949936 +	chr13	41949936 +	VWA8	ENST00000281496	chr13	41949936 +	COGS	ENST00000297135	chr13	41949936 +	Y.CDS-CDS	0	1	1	1er4	SUTR-CDS
VWA8-RIC1OR	chr13	41960853 +	chr13	41960853 +	VWA8	ENST00000281496	chr13	41960853 +	RIC1OR	ENST00000296782	chr13	41960853 +	N.CDS-CDS	0	1	1	2er2	SUTR-CDS
WAC-APB1P	chr10	28535757 +	chr10	28535757 +	WAC	ENST00000345541	chr10	28535757 +	APB1P	ENST00000327626	chr10	28535757 +	N.SUTR-CDS	0	0	1	1er1	Out-of-frame
WAC-UBAC2	chr10	28583505 +	chr10	28583505 +	WAC	ENST00000345541	chr10	28583505 +	UBAC2	ENST00000376440	chr10	28583505 +	N.SUTR-CDS	0	0	1	1er1	Out-of-frame
WAC-RDX	chr10	28620533 +	chr10	28620533 +	WAC	ENST00000347934	chr10	28620533 +	RDX	ENST00000343115	chr10	28620533 +	N.SUTR-ND30X	0	0	1	1er4	NA
WARS-PPP2R3C	chr14	10033479 +	chr14	10033479 +	WARS	ENST00000328682	chr14	10033479 +	PPP2R3C	ENST00000261475	chr14	10033479 +	N.SUTR-CDS-21X	0	1	1	1er3	SUTR-CDS
WARS-UTRN	chr14	10034449 +	chr14	10034449 +	WARS	ENST00000334102	chr14	10034449 +	UTRN	ENST00000291035	chr14	10034449 +	N.SUTR-SUTR	0	1	1	1er3	NA
WARS-COXY	chr14	100361708 +	chr14	100361708 +	WARS	ENST00000334102	chr14	100361708 +	COXY	ENST00000265375	chr14	100361708 +	Y.CDS-SUTR	0	0	1	1er1	CDS-SUTR
WARS-EPB4L4B	chr10	100369087 +	chr10	100369087 +	WARS	ENST00000341108	chr10	100369087 +	EPB4L4B	ENST00000374566	chr10	100369087 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame
WARS2-NTNG1	chr1	119076350 +	chr1	119076350 +	WARS2	ENST00000235521	chr1	119076350 +	NTNG1	ENST00000370065	chr1	119076350 +	N.CDS-CDS-1X	0	1	1	1er1	Out-of-frame
WARS2-PHGDS	chr1	119271170 +	chr1	119271170 +	WARS2	ENST00000235521	chr1	119271170 +	PHGDS	ENST00000369409	chr1	119271170 +	Y.CDS-CDS	0	1	1	1er1	In-frame
WARS2-TPST1	chr1	119076350 +	chr1	119076350 +	WARS2	ENST00000235521	chr1	119076350 +	TPST1	ENST00000304842	chr1	119076350 +	Y.CDS-CDS	0	1	1	1er1	In-frame
WARS2-REG4	chr1	119140555 +	chr1	119140555 +	WARS2	ENST00000235521	chr1	119140555 +	REG4	ENST00000256585	chr1	119140555 +	N.CDS-CDS	0	1	1	1er1	Out-of-frame
WARS2-RPF1	chr1	119140555 +	chr1	119140555 +	WARS2	ENST00000235521	chr1	119140555 +	RPF1	ENST00000370654	chr1	119140555 +	Y.CDS-CDS	0	1	1	1er1	In-frame
WARS2-DLG2	chr1	119140555 +	chr1	119140555 +	WARS2	ENST00000235521	chr1	119140555 +	DLG2	ENST00000376104	chr1	119140555 +	Y.CDS-CDS	0	1	1	2er2	Out-of-frame
WARS2-REG4	chr1	119140555 +	chr1	119140555 +	WARS2	ENST00000369426	chr1	119140555 +	REG4	ENST00000256585	chr1	119140555 +	N.CDS-CDS	0	1	1	1er1	Out-of-frame
WASF1-SLCA1A3	chr6	110113326 +	chr6	110113326 +	WASF1	ENST00000359451	chr6	110113326 +	SLCA1A3	ENST00000315891	chr6	110113326 +	Y.CDS-CDS	0	1	1	2er2	In-frame
WASF2-AHDC1	chr1	27428761 +	chr1	27428761 +	WASF2	ENST00000536657	chr1	27428761 +	AHDC1	ENST00000247087	chr1	27428761 +	Y.CDS-SUTR-1X	0	0	1	1er1	NA
WASF2-VANGL1	chr1	27489986 +	chr1	27489986 +	WASF2	ENST00000536657	chr1	27489986 +	VANGL1	ENST00000310260	chr1	27489986 +	N.SUTR-SUTR	0	0	1	2er2	SUTR-SUTR
WASF2-AHDC1	chr1	27489986 +	chr1	27489986 +	WASF2	ENST00000536657	chr1	27489986 +	AHDC1	ENST00000247087	chr1	27489986 +	N.SUTR-SUTR-2X	0	0	1	1er1	SUTR-SUTR
WASF2-AHDC1	chr1	27489986 +	chr1	27489986 +	WASF2	ENST00000536657	chr1	27489986 +	AHDC1	ENST00000247087	chr1	27489986 +	N.SUTR-SUTR	0	0	3	2er2	NA
WASF2-IFIB	chr1	27489986 +	chr1	27489986 +	WASF2	ENST00000536657	chr1	27489986 +	IFIB	ENST00000339145	chr1	27489986 +	N.SUTR-SUTR	0	0	1	1er1	SUTR-SUTR
WASF2-TMEM22	chr1	27330720 +	chr1	27330720 +	WASF2	ENST00000536657	chr1	27330720 +	TMEM22	ENST00000374076	chr1	27330720 +	N.SUTR-CDS	0	0	1	1er1	SUTR-CDS
WASF3-ATP8A2	chr13	26587163 +	chr13	26587163 +	WASF3	ENST00000335327	chr13	26587163 +	ATP8A2	ENST00000252828	chr13	26587163 +	N.SUTR-CDS	0	1	1	1er1	SUTR-CDS
WASF3-PCB8	chr13	26587163 +	chr13	26587163 +	WASF3	ENST00000335327	chr13	26587163 +	PCB8	ENST00000381527	chr13	26587163 +	N.CDS-CDS	0	1	1	2er2	Out-of-frame
WASF3-CEZF1	chr7	123748618 +	chr7	123748618 +	WASF3	ENST00000223067	chr7	123748618 +	CEZF1	ENST00000418046	chr7	123748618 +	N.CDS-SUTR	0	0	1	1er4	NA
WBP1-L-GR5	chr12	14803352 +	chr12	14803352 +	WBP1	ENST00000211627	chr12	14803352 +	LGR5	ENST00000266674	chr12	14803352 +	N.SUTR-CDS	0	0	1	1er1	SUTR-CDS
WBP1L-HOXC8	chr10	102744107 +	chr10	102744107 +	WBP1L	ENST00000448841	chr10	102744107 +	HOXC8	ENST00000405684	chr10	102744107 +	N.CDS-CDS	0	1	0	0	-
WBP1L-ADAMTS2	chr10	102744143 +	chr10	102744143 +	WBP1L	ENST00000448841	chr10	102744143 +	ADAMTS2	ENST00000251562	chr10	102744143 +	Y.CDS-CDS	0	1	1	1er1	In-frame
WBP1L-PTEN	chr10	102798095 +	chr10	102798095 +	WBP1L	ENST00000369889	chr10	102798095 +	PTEN	ENST00000371953	chr10	102798095 +	Y.CDS-CDS	0	1	0	0	-
WBP1L-PTEN	chr10	102798095 +	chr10	102798095 +	WBP1L	ENST00000369889	chr10	102798095 +	PTEN	ENST00000371953	chr10	102798095 +	N.SUTR-CDS	0	1	0	0	-
WBP2NL-ME1	chr22	41998880 +	chr22	41998880 +	WBP2NL	ENST00000328823	chr22	41998880 +	ME1	ENST00000401548	chr22	41998880 +	N.CDS-CDS	0	0	1	2er2	Out-of-frame
WBSR17-AUTS2	chr7	71133040 +	chr7	71133040 +	WBSR17	ENST00000333538	chr7	71133040 +	AUTS2	ENST00000342771	chr7	71133040 +	N.CDS-CDS	0	0	1	1er2	Out-of-frame
WBSR17-PPP1R9A	chr7	71335733 +	chr7	71335733 +	WBSR17	ENST00000333538	chr7	71335733 +	PPP1R9A	ENST00000433360	chr7	71335733 +	Y.CDS-CDS	0	1	1	2er2	In-frame
WBSR17-PPP1R9A	chr7	71335733 +	chr7	71335733 +	WBSR17	ENST00000333538	chr7	71335733 +	PPP1R9A	ENST00000289495	chr7	71335733 +	Y.CDS-CDS	0	1	1	2er2	In-frame
WBSR22-LMK1	chr7	73697894 +	chr7	73697894 +	WBSR22	ENST00000265758	chr7	73697894 +	LMK1	ENST00000336180	chr7	73697894 +	Y.CDS-CDS	0	1	0	0	-
WDFY1-PCD3B	chr2	223945148 +	chr2	223945148 +	WDFY1	ENST00000233052	chr2	223945148 +	PCD3B	ENST00000349953	chr2	223945148 +	Y.CDS-CDS	0	1	1	1er1	In-frame
WDFY2-FOXO1	chr13	51584824 +	chr13	51584824 +	WDFY2	ENST00000298125	chr13	51584824 +	FOXO1	ENST00000379561	chr13	51584824 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame
WDFY3-HNRNP40	chr4	84896911 +	chr4	84896911 +	WDFY3	ENST00000295888	chr4	84896911 +	HNRNP40	ENST00000313899	chr4	84896911 +	N.SUTR-CDS	0	0	1	1er1	SUTR-CDS
WDFY3-PLAGL1	chr4	84966209 +	chr4	84966209 +	WDFY3	ENST00000295888	chr4	84966209 +	PLAGL1	ENST00000354765	chr4	84966209 +	N.SUTR-SUTR-6X	0	0	1	1er1	SUTR-SUTR
WDHD1-DLGA5	chr14	55154806 +	chr14	55154806 +	WDHD1	ENST00000360586	chr14	55154806 +	DLGA5	ENST00000247191	chr14	55154806 +	N.CDS-CDS-24X	0	1	1	1er1	Out-of-frame
WDHD1-DLGA5	chr14	55027280 +	chr14	55027280 +	WDHD1	ENST00000360586	chr14	55027280 +	DLGA5	ENST00000247191	chr14	55027280 +	N.CDS-CDS-14X	0	1	0	0	-
WDHD1-GCH1	chr14	54865436 +	chr14	54865436 +	WDHD1	ENST00000360586	chr14	54865436 +	GCH1	ENST00000395514	chr14	54865436 +	N.CDS-CDS	0	1	0	0	-
WDHD1-LGALS3	chr14	55026711 +	chr14	55026711 +	WDHD1	ENST00000360586	chr14	55026711 +	LGALS3	ENST00000254301	chr14	55026711 +	N.CDS-CDS	0	1	0	0	-
WDHD1-DLGA5	chr14	55026711 +	chr14	55026711 +	WDHD1	ENST00000360586	chr14	55026711 +	DLGA5	ENST00000247191	chr14	55026711 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame
WDR1-SLC2A9	chr4	10077304 +	chr4	10077304 +	WDR1	ENST00000382451	chr4	10077304 +	SLC2A9	ENST00000264784	chr4	10077304 +	Y.CDS-CDS	0	1	0	0	-
WDR11-PDLIM1	chr10	120905416 +	chr10	120905416 +	WDR11	ENST00000263461	chr10	120905416 +	PDLIM1	ENST00000329399	chr10	120905416 +	Y.CDS-CDS	0	1	1	1er1	In-frame
WDR12-PARD3B	chr2	202911436 +	chr2	202911436 +	WDR12	ENST00000261015	chr2	202911436 +	PARD3B	ENST00000406810	chr2	202911436 +	N.CDS-CDS	0	1	1	1er4	Out-of-frame
WDR18-H2AFX	chr11	98597451 +	chr11	98597451 +	WDR18	ENST00000251289	chr11	98597451 +	H2AFX	ENST00000375167	chr11	98597451 +	N.CDS-SUTR-2X	0	0	1	1er1	CDS-SUTR
WDR20-TECPR2	chr14	102409679 +	chr14	102409679 +	WDR20	ENST00000299135	chr14	102409679 +	TECPR2	ENST00000355620	chr14	102409679 +	Y.CDS-CDS	0	1	0	0	-
WDR20-ASNA1	chr14	10240172 +	chr14	10240172 +	WDR20	ENST00000299135	chr14	10240172 +	ASNA1	ENST00000357332	chr14	10240172 +	Y.CDS-CDS	0	1	1	1er1	In-frame
WDR20-LRP10	chr14	10240172 +	chr14	10240172 +	WDR20	ENST00000299135	chr14	10240172 +	LRP10	ENST00000359591	chr14	10240172 +	Y.CDS-CDS	0	0	1	1er1	Out-of-frame
WDR20-LGALS2	chr14	10240172 +	chr14	10240172 +	WDR20	ENST00000299135	chr14	10240172 +	LGALS2	ENST00000215886	chr14	10240172 +	N.CDS-CDS	0	1	1	1er1	In-frame
WDR20-PPP2R5C	chr14	102195120 +	chr14	102195120 +	WDR20	ENST00000323240	chr14	102195120 +	PPP2R5C	ENST00000553842	chr14	102195120 +	N.CDS-SUTR	0	0	1	1er1	In-frame
WDR25-MAST2	chr14	100381746 +	chr14	100381746 +	WDR25	ENST00000335290	chr14	100381746 +	MAST									

WTAP-SOCS2	chr6	159730045 +	chr12	93572885 +	WTAP	ENST00000337387	chr6	159730045 +	SOC2	ENST00000340600	chr12	93572885 +	N.CDS-SUTR	0	0	1	1er1	CDS-SUTR
WW1-FMN2	chr5	168371533 +	chr1	240177921 +	WWC1	ENST00000265293	chr5	168371533 +	FN2	ENST00000319653	chr1	240177921 +	N.CDS-CDS.2X	0	0	1	1er1	Out-of-frame
WW2-C-CDM10	chr4	183098622 +	chr2	185471049 +	WWC2	ENST00000403731	chr4	183098622 +	CD10	ENST00000307588	chr2	185471049 +	N.CDS-CDS.15X	0	0	1	1er1	Out-of-frame
WWC3-SHROOM2	chrX	10134596 +	chrX	9873652 +	WWC3	ENST00000389861	chrX	10134596 +	SHROOM2	ENST00000380913	chrX	9873652 +	Y.CDS-CDS	0	1	1er1	In-frame	
WWOX-VAT1L	chr16	78099885 +	chr16	77816921 +	WWOX	ENST00000358660	chr16	78099885 +	VAT1L	ENST00000320536	chr16	77816921 +	Y.CDS-CDS	0	1	1er1	In-frame	
WWOX-VAT1L	chr16	78099885 +	chr16	77816921 +	WWOX	ENST00000408984	chr16	78099885 +	VAT1L	ENST00000320536	chr16	77816921 +	Y.CDS-CDS	0	1	1er1	In-frame	
WWOX-NUD7	chr16	77741582 +	chr16	77741582 +	WWOX	ENST00000358660	chr16	77741582 +	NUD7	ENST000000564085	chr16	77741582 +	Y.CDS-CDS.4X	0	1	0	0	Out-of-frame
WWOX-C15orf41	chr16	78164289 +	chr15	36808324 +	WWOX	ENST00000358660	chr16	78164289 +	C15orf41	ENST00000562877	chr15	36808324 +	N.CDS-CDS.4X	0	1	1er1	Out-of-frame	
WWOX-C15orf41	chr16	78164289 +	chr15	36808324 +	WWOX	ENST00000358660	chr16	78164289 +	C15orf41	ENST00000437989	chr15	36808324 +	N.CDS-CDS.4X	0	1	1er1	Out-of-frame	
WWOX-VAT1L	chr16	78164289 +	chr15	36808324 +	WWOX	ENST00000358660	chr16	78164289 +	VAT1L	ENST00000320536	chr15	36808324 +	Y.CDS-CDS	0	1	1er1	Out-of-frame	
WWOX-NUD7	chr16	78425055 +	chr16	77741582 +	WWOX	ENST00000408984	chr16	78425055 +	NUD7	ENST00000268533	chr16	77741582 +	N.CDS-CDS.11X	0	1	0	0	Out-of-frame
WWP1-ESRP1	chr8	86342930 +	chr8	86342930 +	WWP1	ENST00000517970	chr8	86342930 +	ESRP1	ENST00000538597	chr8	86342930 +	N.SUTR-CDS	0	0	1	1er1	SUTR-CDS
WWP1-LRRC1	chr8	86342930 +	chr8	86342930 +	WWP1	ENST00000517970	chr8	86342930 +	LRRC1	ENST00000360375	chr8	86342930 +	N.SUTR-CDS	0	0	1	1er1	SUTR-CDS
WWP1-NURPL	chr8	86342930 +	chr14	31626279 +	WWP1	ENST00000265428	chr8	86342930 +	NURPL	ENST00000281061	chr14	31626279 +	Y.CDS-CDS	0	1	1er1	In-frame	
WWP1-ZNF704	chr8	86422203 +	chr8	86422203 +	WWP1	ENST00000265428	chr8	86422203 +	ZNF704	ENST00000329785	chr8	86422203 +	N.CDS-SUTR.17X	0	0	1	1er1	CDS-SUTR
WWP1-UTP23	chr8	86431743 +	chr8	86431743 +	WWP1	ENST00000265428	chr8	86431743 +	UTP23	ENST00000309822	chr8	86431743 +	N.CDS-CDS.41X	0	0	1	1er1	Out-of-frame
WWP1-CPB2	chr8	86461846 +	chr8	86461846 +	WWP1	ENST00000265428	chr8	86461846 +	CPB2	ENST00000181383	chr8	86461846 +	Y.CDS-CDS	0	1	1er1	In-frame	
WWP2-TANG06	chr16	69787080 +	chr16	69787080 +	WWP2	ENST00000359154	chr16	69787080 +	TANG06	ENST00000261778	chr16	69787080 +	Y.CDS-CDS	0	1	1er1	In-frame	
WWP2-ZNF629	chr16	69787080 +	chr16	69787080 +	WWP2	ENST00000359154	chr16	69787080 +	ZNF629	ENST00000262525	chr16	69787080 +	N.CDS-SUTR	0	1	1er2	CDS-SUTR	
WWP2-TANG06	chr16	69787080 +	chr16	69787080 +	WWP2	ENST00000359003	chr16	69787080 +	TANG06	ENST00000261778	chr16	69787080 +	N.ND-CDS.20X	0	1	1er1	In-frame	
WWP2-TANG06	chr16	69787080 +	chr16	69787080 +	WWP2	ENST00000359003	chr16	69787080 +	TANG06	ENST00000261778	chr16	69787080 +	N.ND-CDS.20X	0	1	1er1	In-frame	
WWP2-GSG1L	chr16	69792925 +	chr16	6947150 +	WWP2	ENST00000359154	chr16	69792925 +	GSG1L	ENST00000380897	chr16	6947150 +	N.ND-CDS.20X	0	1	1er1	In-frame	
WWP2-CYB5B	chr16	69792925 +	chr16	6947150 +	WWP2	ENST00000359154	chr16	69792925 +	CYB5B	ENST00000370892	chr16	6947150 +	N.CDS-CDS.6X	0	0	1	1er1	Out-of-frame
WWP2-GSG1L	chr16	69792925 +	chr16	6947150 +	WWP2	ENST00000359154	chr16	69792925 +	GSG1L	ENST00000380897	chr16	6947150 +	Y.CDS-CDS	0	1	1er1	In-frame	
WWP2-NFAT5	chr16	6982403 +	chr16	6982403 +	WWP2	ENST00000359003	chr16	6982403 +	NFAT5	ENST00000349845	chr16	6982403 +	Y.CDS-SUTR.6X	0	0	1	1er1	Out-of-frame
WWP2-TANG06	chr16	69882328 +	chr16	69882328 +	WWP2	ENST00000359003	chr16	69882328 +	TANG06	ENST00000261778	chr16	69882328 +	Y.CDS-CDS	0	1	1er1	In-frame	
WWP2-CTSB	chr16	69939906 +	chr8	11847721 +	WWP2	ENST00000359154	chr16	69939906 +	CTSB	ENST00000345125	chr8	11847721 +	N.CDS-CDS.19X	0	1	0	0	Out-of-frame
WWTR1-ESRRG	chr1	14957284 +	chr1	14957284 +	WWTR1	ENST00000467467	chr1	14957284 +	ESRRG	ENST00000329785	chr1	14957284 +	N.CDS-CDS	0	1	1er1	In-frame	
WWTR1-ATR	chr3	149658676 +	chr3	142449602 +	WWTR1	ENST00000467467	chr3	149658676 +	ATR	ENST00000350721	chr3	142449602 +	N.CDS-CDS	0	1	1er1	Out-of-frame	
WWTR1-ANKUB1	chr3	149658676 +	chr3	149761613 +	WWTR1	ENST00000467467	chr3	149658676 +	ANKUB1	ENST00000446160	chr3	149761613 +	Y.CDS-CDS	0	1	0	0	Out-of-frame
XBP1-CLK2	chr22	28794561 +	chr19	50873439 +	XBP1	ENST00000216037	chr22	28794561 +	CLK2	ENST00000325321	chr19	50873439 +	N.3UTR-SUTR	0	0	1	1er3	3UTR-SUTR
XBP1-UTRN	chr22	28794561 +	chr6	144344101 +	XBP1	ENST00000216037	chr22	28794561 +	UTRN	ENST00000421035	chr6	144344101 +	N.3UTR-SUTR	0	0	1	1er3	NA
XBP1-CC75	chr22	28794561 +	chr5	10249921 +	XBP1	ENST00000216037	chr22	28794561 +	CC75	ENST00000280326	chr5	10249921 +	Y.3UTR-SUTR.10X	0	0	1	1er3	3UTR-SUTR
XBP1-TTC28	chr22	28799057 +	chr22	28163599 +	XBP1	ENST00000216037	chr22	28799057 +	TTC28	ENST00000397906	chr22	28163599 +	Y.CDS-CDS	0	1	0	0	Out-of-frame
XBP1-TTC28	chr22	28799057 +	chr22	28629830 +	XBP1	ENST00000216037	chr22	28799057 +	TTC28	ENST00000397906	chr22	28629830 +	Y.CDS-CDS	0	1	0	0	Out-of-frame
XBP1-TTC28	chr22	28799057 +	chr22	28629830 +	XBP1	ENST00000216037	chr22	28799057 +	TTC28	ENST00000397906	chr22	28629830 +	Y.CDS-CDS	0	1	0	0	Out-of-frame
XKR6-HOOK3	chr8	11200576 +	chr8	42966473 +	XKR6	ENST00000297303	chr8	11200576 +	HOOK3	ENST00000307602	chr8	42966473 +	Y.CDS-CDS	0	0	1	1er1	In-frame
XPA-CORO2A	chr9	98157660 +	chr9	98157660 +	XPA	ENST00000375128	chr9	98157660 +	CORO2A	ENST00000343933	chr9	98157660 +	Y.CDS-CDS	0	1	1er1	In-frame	
XPC-RCOR1	chr3	14168257 +	chr3	14168257 +	XPC	ENST00000285021	chr3	14168257 +	RCOR1	ENST00000262241	chr3	14168257 +	Y.CDS-CDS	0	1	0	0	Out-of-frame
XPC-DAG	chr3	14178466 +	chr3	14178466 +	XPC	ENST00000285021	chr3	14178466 +	DAG	ENST00000308775	chr3	14178466 +	Y.CDS-SUTR.1X	0	0	1	1er1	CDS-SUTR
XPNFEP1-FAM13B	chr10	137965469 +	chr10	137965469 +	XPNFEP1	ENST00000357133	chr10	137965469 +	FAM13B	ENST00000323343	chr10	137965469 +	N.CDS-CDS	0	1	1er1	Out-of-frame	
XPNFEP3-RTCB	chr22	40886515 +	chr22	40886515 +	XPNFEP3	ENST00000357133	chr22	40886515 +	RTCB	ENST00000216038	chr22	40886515 +	Y.CDS-CDS	0	1	1er1	In-frame	
XPO1-HORMAD1	chr2	61498673 +	chr1	150719538 +	XPO1	ENST00000401558	chr2	61498673 +	HORMAD1	ENST00000323343	chr1	150719538 +	Y.CDS-SUTR	0	0	1	1er1	CDS-SUTR
XPO1-C2orf74	chr2	61522611 +	chr2	61162842 +	XPO1	ENST00000401558	chr2	61522611 +	C2orf74	ENST00000398622	chr2	61162842 +	N.CDS-SUTR	0	0	1	1er1	CDS-SUTR
XPO4-ATPSL	chr13	20807457 +	chr19	41479284 +	XPO4	ENST00000253035	chr13	20807457 +	ATPSL	ENST0000021943	chr19	41479284 +	N.CDS-ND	0	0	1	1er1	CDS-SUTR
XPO4-ZDHHC20	chr13	20856627 +	chr13	21431772 +	XPO4	ENST00000253035	chr13	20856627 +	ZDHHC20	ENST00000320220	chr13	21431772 +	Y.CDS-CDS	0	1	1er1	In-frame	
XPO4-SRRP1	chr13	20926070 +	chr13	20926070 +	XPO4	ENST00000253035	chr13	20926070 +	SRRP1	ENST00000278112	chr13	20926070 +	Y.CDS-CDS	0	1	1er1	In-frame	
XPO4-SRRP1	chr13	20926070 +	chr13	20926070 +	XPO4	ENST00000253035	chr13	20926070 +	SRRP1	ENST00000278112	chr13	20926070 +	Y.CDS-CDS	0	1	1er1	In-frame	
XPOS-VARS	chr6	43525107 +	chr6	31779814 +	XPOS	ENST00000265351	chr6	43525107 +	VARS	ENST00000375663	chr6	31779814 +	Y.CDS-CDS	0	1	1er1	In-frame	
XPOS-EYS	chr6	43546571 +	chr6	63726880 +	XPOS	ENST00000265351	chr6	43546571 +	EYS	ENST00000370621	chr6	63726880 +	N.CDS-CDS.44X	0	0	1	1er1	Out-of-frame
XPOS-MRPS10	chr6	43547608 +	chr6	42211917 +	XPOS	ENST00000265351	chr6	43547608 +	MRPS10	ENST00000053468	chr6	42211917 +	Y.CDS-CDS	0	1	1er1	In-frame	
XPOS-KIF6	chr6	43572506 +	chr6	39346526 +	XPOS	ENST00000265351	chr6	43572506 +	KIF6	ENST00000229913	chr6	39346526 +	N.CDS-CDS	0	0	1	1er1	Out-of-frame
XPOS-KIF6	chr6	43572506 +	chr6	39346526 +	XPOS	ENST00000265351	chr6	43572506 +	KIF6	ENST00000287152	chr6	39346526 +	Y.CDS-CDS	0	0	1	1er1	Out-of-frame
XPO7-SRRP1	chr17	21982203 +	chr17	87360366 +	XPO7	ENST00000252512	chr17	21982203 +	SRRP1	ENST00000319349	chr17	87360366 +	N.CDS-CDS	0	1	1er1	Out-of-frame	
XPO7-ETV4	chr17	21982203 +	chr17	43536479 +	XPO7	ENST00000252512	chr17	21982203 +	ETV4	ENST00000319349	chr17	43536479 +	N.CDS-CDS.17X	0	0	1	1er1	Out-of-frame
XPO7-C12orf56	chr12	64430056 +	chr12	64430056 +	XPO7	ENST00000332707	chr12	64430056 +	C12orf56	ENST00000333722	chr12	64430056 +	Y.CDS-CDS	0	0	1	1er1	In-frame
XPR1-NME7	chr1	180632270 +	chr1	180632270 +	XPR1	ENST00000367589	chr1	180632270 +	NME7	ENST00000367811	chr1	180632270 +	Y.CDS-CDS	0	0	1	1er1	In-frame
XPR1-TNR	chr1	180632270 +	chr1	175528369 +	XPR1	ENST00000367589	chr1	180632270 +	TNR	ENST00000263525	chr1	175528369 +	N.CDS-SUTR	0	0	1	1er1	CDS-SUTR
XPR1-KHORB1	chr1	180682411 +	chr1	32030298 +	XPR1	ENST00000367589	chr1	180682411 +	KHORB1	ENST00000327300	chr1	32030298 +	Y.CDS-CDS	0	1	0	0	Out-of-frame
XPR1-NGF2	chr1	180682411 +	chr1	183577707 +	XPR1	ENST00000367589	chr1	180682411 +	NGF2	ENST00000367589	chr1	183577707 +	N.CDS-CDS	0	0	1	1er3	Out-of-frame
XPR1-ARHGAP21	chr1	180682411 +	chr1	156986173 +	XPR1	ENST00000367589	chr1	180682411 +	ARHGAP21	ENST00000367589	chr1	156986173 +	N.CDS-CDS	0	1	1er1	Out-of-frame	
XPR1-DEDD	chr1	180682411 +	chr1	161124526 +	XPR1	ENST00000367589	chr1	180682411 +	DEDD	ENST00000368005	chr1	161124526 +	N.CDS-SUTR	0	0	1	1er3	CDS-SUTR
XPR1-LHX4	chr1	180836716 +	chr1	180248285 +	XPR1	ENST00000367590	chr1	180836716 +	LHX4	ENST00000263276	chr1	180248285 +	Y.CDS-CDS	0	1	1er1	In-frame	
XPR1-TOR3A	chr1	180836716 +	chr1	179097828 +	XPR1	ENST00000367590	chr1											

ZFYVE21-BN1	chr14	103715981	chr2	127076708	ZFYVE21	ENST00000311141	chr14	103715981	BN1	ENST00000259238	chr2	127076708	YND-ND-2X	0	1	0	-
ZFYVE21-BN1	chr14	103715981	chr2	127076708	ZFYVE21	ENST00000311141	chr14	103715981	BN1	ENST00000316724	chr2	127076708	NND-ND-6X	0	1	0	-
ZFYVE21-BN1	chr14	103715981	chr2	127076708	ZFYVE21	ENST00000311141	chr14	103715981	BN1	ENST00000316724	chr2	127076708	NND-ND-101X	0	1	1	Out-of-frame
ZFYVE21-NRA1	chr14	67761366	chr9	124538319	ZFYVE21	ENST00000347230	chr14	67761366	NRA1	ENST00000373584	chr9	124538319	N.CDS-CDS-90A	0	1	1	Out-of-frame
ZFYVE21-NRA1	chr14	67761366	chr9	124538319	ZFYVE21	ENST00000347230	chr14	67761366	NRA1	ENST00000344523	chr9	124538319	N.CDS-ND-1X	0	1	1	Out-of-frame
ZFYVE21-RBM25	chr14	67815770	chr14	73088001	ZFYVE21	ENST00000347230	chr14	67815770	RBM25	ENST00000261973	chr14	73088001	N.CDS-CDS	0	1	1	Out-of-frame
ZFYVE21-TACC3	chr4	2418285	chr4	1739702	ZFYVE21	ENST00000290974	chr4	2418285	TACC3	ENST00000313288	chr4	1739702	Y.CDS-CDS	0	1	0	-
ZFYVE21-TACC3	chr4	2418285	chr4	1739702	ZFYVE21	ENST00000290974	chr4	2418285	TACC3	ENST00000313288	chr4	1739702	Y.CDS-CDS	0	1	0	-
ZFYVE21-CCDC149	chr4	2418285	chr4	24876697	ZFYVE21	ENST00000290974	chr4	2418285	CCDC149	ENST00000504487	chr4	24876697	Y.CDS-CDS	0	1	1	In-frame
ZFYVE21-CRMP1	chr4	2418285	chr4	5863607	ZFYVE21	ENST00000290974	chr4	2418285	CRMP1	ENST00000324989	chr4	5863607	N.CDS-CDS	0	1	1	In-frame
ZFYVE21-ECHDC2	chr1	52303925	chr1	52899224	ZFYVE21	ENST00000287727	chr1	52303925	ECHDC2	ENST00000536120	chr1	52899224	N.CDS-ND-100X	0	1	1	In-frame
ZFYVE21-ECHDC2	chr1	52303925	chr1	52899224	ZFYVE21	ENST00000287727	chr1	52303925	ECHDC2	ENST00000535858	chr1	52899224	Y.CDS-CDS	0	1	1	In-frame
ZGAPAT-CNB02	chr20	63709164	chr20	63598735	ZGAPAT	ENST00000328969	chr20	63709164	CNB02	ENST00000349339	chr20	63598735	Y.CDS-CDS	0	1	1	In-frame
ZGAPAT-HEL22	chr20	63709164	chr20	63599370	ZGAPAT	ENST00000328969	chr20	63709164	HEL22	ENST00000467148	chr20	63599370	N.CDS-CDS-3X	0	1	0	-
ZHX1-ATAD2	chr8	123274122	chr8	123274122	ZHX1	ENST00000298757	chr8	123274122	ATAD2	ENST00000287394	chr8	123274122	N.SUTR-CDS	0	0	1	In-frame
ZHX1-RALYL	chr8	123274122	chr8	84774579	ZHX1	ENST00000298757	chr8	123274122	RALYL	ENST00000517638	chr8	84774579	N.SUTR-CDS	0	0	1	In-frame
ZHX2-PPMTB	chr8	122781946	chr8	122781946	ZHX2	ENST00000314383	chr8	122781946	PPMTB	ENST00000282412	chr8	122781946	N.SUTR-SUTR-4X	0	0	1	In-frame
ZHX2-LELEP1	chr8	122781946	chr8	122781946	ZHX2	ENST00000314383	chr8	122781946	LELEP1	ENST00000368747	chr8	122781946	N.SUTR-SUTR	0	0	1	In-frame
ZHX3-CHD6	chr20	41405489	chr20	41405489	ZHX3	ENST00000432768	chr20	41405489	CHD6	ENST00000332333	chr20	41405489	N.CDS-CDS-39X	0	1	1	Out-of-frame
ZKSCAN1-CCDC136	chr7	100015726	chr7	128804650	ZKSCAN1	ENST00000324060	chr7	100015726	CCDC136	ENST00000297788	chr7	128804650	N.SUTR-CDS	0	0	1	Out-of-frame
ZKSCAN1-CCDC136	chr7	100015726	chr7	128804650	ZKSCAN1	ENST00000324060	chr7	128804650	CCDC136	ENST00000297788	chr7	128804650	N.SUTR-CDS	0	0	1	Out-of-frame
ZKSCAN4-SLC44A4	chr6	28248607	chr6	31866126	ZKSCAN4	ENST00000372794	chr6	28248607	SLC44A4	ENST00000229729	chr6	31866126	Y.CDS-CDS	0	1	0	-
ZKSCAN5-SMO	chr7	99512591	chr7	129203384	ZKSCAN5	ENST00000326775	chr7	99512591	SMO	ENST00000249373	chr7	129203384	Y.CDS-CDS	0	1	0	-
ZMAT3-TPB3	chr3	18937740	chr3	18937740	ZMAT3	ENST00000342729	chr3	18937740	TPB3	ENST00000264731	chr3	18937740	N.CDS-CDS-1X	0	1	1	Out-of-frame
ZMAT3-ELP3	chr8	28198649	chr8	28198649	ZMAT3	ENST00000297737	chr8	28198649	ELP3	ENST00000256398	chr8	28198649	Y.CDS-CDS	0	0	1	In-frame
ZMAT3-HIRA	chr22	29738330	chr22	29738330	ZMAT3	ENST00000344318	chr22	29738330	HIRA	ENST00000282028	chr22	29738330	N.CDS-CDS-1X	0	1	1	Out-of-frame
ZMAT3-ASCC2	chr22	29766872	chr22	29766872	ZMAT3	ENST00000344318	chr22	29766872	ASCC2	ENST00000307790	chr22	29766872	N.SUTR-CDS	0	0	1	In-frame
ZMIZ1-ADK	chr10	74708321	chr10	74708321	ZMIZ1	ENST00000334512	chr10	74708321	ADK	ENST00000286621	chr10	74708321	N.SUTR-CDS-1X	0	0	1	In-frame
ZMIZ1-CHST3	chr10	79119024	chr10	72005736	ZMIZ1	ENST00000334512	chr10	79119024	CHST3	ENST00000373115	chr10	72005736	N.SUTR-SUTR	0	0	1	In-frame
ZMIZ1-BTD	chr10	79119024	chr10	79119024	ZMIZ1	ENST00000334512	chr10	79119024	BTD	ENST00000303498	chr10	79119024	N.SUTR-CDS-3X	0	0	1	In-frame
ZMIZ1-XYLT2	chr10	79216274	chr10	50353630	ZMIZ1	ENST00000334512	chr10	79216274	XYLT2	ENST00000170703	chr10	50353630	N.CDS-CDS-2X	0	0	1	Out-of-frame
ZMIZ1-ZCHC24	chr10	79216274	chr10	79432758	ZMIZ1	ENST00000334512	chr10	79216274	ZCHC24	ENST00000327532	chr10	79432758	Y.CDS-CDS	0	1	1	In-frame
ZMIZ1-DENNDA2	chr10	79216274	chr10	79216274	ZMIZ1	ENST00000334512	chr10	79216274	DENNDA2	ENST00000275884	chr10	79216274	N.CDS-SUTR	0	0	1	Out-of-frame
ZMIZ1-CPB3	chr10	79216274	chr10	92145112	ZMIZ1	ENST00000334512	chr10	79216274	CPB3	ENST00000412050	chr10	92145112	Y.CDS-CDS	0	1	1	In-frame
ZMIZ2-THBS1	chr7	44763351	chr7	39590535	ZMIZ2	ENST00000265346	chr7	44763351	THBS1	ENST00000260356	chr7	39590535	N.CDS-CDS-1X	0	1	0	-
ZMIZ2-THBS1	chr7	44763351	chr7	39590535	ZMIZ2	ENST00000265346	chr7	39590535	THBS1	ENST00000260356	chr7	39590535	N.CDS-CDS-1X	0	1	0	-
ZMPS2E4-TMCO2	chr1	40267872	chr1	40267872	ZMPS2E4	ENST00000327259	chr1	40267872	TMCO2	ENST00000327266	chr1	40267872	Y.CDS-CDS	0	0	1	In-frame
ZMPS2E4-TMCO2	chr1	40267872	chr1	40267872	ZMPS2E4	ENST00000327259	chr1	40267872	TMCO2	ENST00000327266	chr1	40267872	Y.CDS-CDS	0	0	1	In-frame
ZMPS2E4-CAP1	chr1	40267872	chr1	40267872	ZMPS2E4	ENST00000327259	chr1	40267872	CAP1	ENST00000316450	chr1	40267872	Y.CDS-CDS	0	1	0	-
ZMPS2E4-CAP1	chr1	40267872	chr1	40267872	ZMPS2E4	ENST00000327259	chr1	40267872	CAP1	ENST00000316450	chr1	40267872	Y.CDS-CDS	0	1	0	-
ZMPS2E4-MPHOSPH8	chr13	19642115	chr13	19642115	ZMPS2E4	ENST00000328287	chr13	19642115	MPHOSPH8	ENST00000361479	chr13	19642115	N.SUTR-CDS	0	0	1	In-frame
ZMPS2E4-DMRT2	chr13	20036909	chr13	20036909	ZMPS2E4	ENST00000328287	chr13	20036909	DMRT2	ENST00000382251	chr13	20036909	N.SUTR-SUTR-17	0	0	1	In-frame
ZMPS2E4-BSDC1	chr1	35325405	chr1	32386895	ZMPS2E4	ENST00000314607	chr1	35325405	BSDC1	ENST00000341071	chr1	32386895	N.CDS-CDS-1X	0	0	1	In-frame
ZMPS2E4-BSDC1	chr1	35325405	chr1	32386895	ZMPS2E4	ENST00000314607	chr1	32386895	BSDC1	ENST00000341071	chr1	32386895	N.CDS-CDS-1X	0	0	1	In-frame
ZMPS2E4-SMYD3	chr1	35361789	chr1	24592937	ZMPS2E4	ENST00000314607	chr1	35361789	SMYD3	ENST00000366516	chr1	24592937	N.CDS-SUTR	0	0	1	In-frame
ZMPS2E4-SMYD3	chr1	35361789	chr1	24592937	ZMPS2E4	ENST00000314607	chr1	24592937	SMYD3	ENST00000366516	chr1	24592937	N.CDS-SUTR	0	0	1	In-frame
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35399576	AP2S1	ENST00000352203	chr1	35399576	Y.CDS-CDS	0	1	0	-
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35399576	AP2S1	ENST00000352203	chr1	35399576	Y.CDS-CDS	0	1	0	-
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35399576	AP2S1	ENST00000352203	chr1	35399576	Y.CDS-CDS	0	1	0	-
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35399576	AP2S1	ENST00000352203	chr1	35399576	Y.CDS-CDS	0	1	0	-
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35399576	AP2S1	ENST00000352203	chr1	35399576	Y.CDS-CDS	0	1	0	-
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35399576	AP2S1	ENST00000352203	chr1	35399576	Y.CDS-CDS	0	1	0	-
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35399576	AP2S1	ENST00000352203	chr1	35399576	Y.CDS-CDS	0	1	0	-
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35399576	AP2S1	ENST00000352203	chr1	35399576	Y.CDS-CDS	0	1	0	-
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35399576	AP2S1	ENST00000352203	chr1	35399576	Y.CDS-CDS	0	1	0	-
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35399576	AP2S1	ENST00000352203	chr1	35399576	Y.CDS-CDS	0	1	0	-
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35399576	AP2S1	ENST00000352203	chr1	35399576	Y.CDS-CDS	0	1	0	-
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35399576	AP2S1	ENST00000352203	chr1	35399576	Y.CDS-CDS	0	1	0	-
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35399576	AP2S1	ENST00000352203	chr1	35399576	Y.CDS-CDS	0	1	0	-
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35399576	AP2S1	ENST00000352203	chr1	35399576	Y.CDS-CDS	0	1	0	-
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35399576	AP2S1	ENST00000352203	chr1	35399576	Y.CDS-CDS	0	1	0	-
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35399576	AP2S1	ENST00000352203	chr1	35399576	Y.CDS-CDS	0	1	0	-
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35399576	AP2S1	ENST00000352203	chr1	35399576	Y.CDS-CDS	0	1	0	-
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35399576	AP2S1	ENST00000352203	chr1	35399576	Y.CDS-CDS	0	1	0	-
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35399576	AP2S1	ENST00000352203	chr1	35399576	Y.CDS-CDS	0	1	0	-
ZMPS2E4-AP2S1	chr1	35399576	chr1	35399576	ZMPS2E4	ENST00000314607	chr1	35									

ZNF292-B3GAT2	chr6	87155759	-	chr6	70894272	-	YCD5-CDS	0	1	0	-	-
ZNF292-PFPRO	chr6	87155759	-	chr12	15499442	-	N-CDS-CDS	0	1	0	-	Out-of-frame
ZNF292-RS554	chr6	87155759	-	chr12	15499442	-	YCD5-SUTR	0	0	1	1	Out-of-frame
ZNF292-EYS	chr6	87155759	-	chr6	65495993	-	N-CDS-SUTR-8X	0	0	1	1	Out-of-frame
ZNF292-GRM4	chr6	87155759	-	chr6	34133859	-	N-CDS-SUTR-8M	0	0	1	1	Out-of-frame
ZNF292-MAP3K4	chr6	87155759	-	chr6	16107068	-	YCD5-SUTR-4X	0	0	1	1	In-frame
ZNF3-RUNCDC3B	chr7	100075135	-	chr7	87693908	-	YCD5-CDS	0	1	1	1	In-frame
ZNF3-MCM7	chr7	100091635	-	chr7	100091635	-	N-SUTR-CDS	0	0	1	1	In-frame
ZNF302-ANKRD27	chr19	34678813	-	chr19	32607832	-	YCD5-CDS	0	1	1	1	In-frame
ZNF302-ANKRD27	chr19	34678813	-	chr19	32607832	-	YCD5-CDS	0	1	1	1	In-frame
ZNF302-ANKRD27	chr19	34678813	-	chr19	32607832	-	YCD5-CDS	0	1	1	1	In-frame
ZNF302-CACNA1A	chr19	34678813	-	chr19	32525259	-	YCD5-CDS	0	0	1	1	In-frame
ZNF311-TTBK1	chr6	28998734	-	chr6	43269643	-	YCD5-CDS	0	0	1	1	In-frame
ZNF317-AP3D1	chr19	9140592	-	chr19	2115613	-	N-SUTR-CDS	0	0	1	1	SUTR-CDS
ZNF318-PDE3A	chr6	43342676	-	chr6	20556660	-	YCD5-CDS	0	1	0	-	-
ZNF318-COL21A1	chr6	43342676	-	chr6	56126149	-	N-CDS-SUTR	0	1	1	1	In-frame
ZNF318-COL21A1	chr6	43342676	-	chr6	43368864	-	YCD5-CDS	0	1	1	1	In-frame
ZNF326-CDC18	chr1	89995273	-	chr1	93226333	-	N-CDS-CDS	0	0	1	1	Out-of-frame
ZNF326-UBA1	chr1	90027647	-	chr1	47210900	-	N-CDS-CDS	0	1	0	-	-
ZNF329-EPN1	chr19	58142557	-	chr19	55678527	-	N-SUTR-SUTR-1X	0	0	1	1	SUTR-SUTR
ZNF331-NLRP4	chr19	53522884	-	chr19	53522884	-	N-SUTR-SUTR-16X	0	0	1	1	SUTR-SUTR
ZNF331-NLRP11	chr19	53571730	-	chr19	53571730	-	N-CDS-CDS	0	0	1	1	Out-of-frame
ZNF331-PRK3	chr19	36017396	-	chr19	34269899	-	N-CDS-CDS	0	0	1	1	Out-of-frame
ZNF341-CBF-AT2	chr20	33770292	-	chr20	33770292	-	N-CDS-CDS-5X	0	1	1	1	Out-of-frame
ZNF343-PRPSAP2	chr20	2508881	-	chr20	18923914	-	N-SUTR-CDS	0	0	1	1	SUTR-CDS
ZNF345-LGALS13	chr19	36851904	-	chr19	36851904	-	N-SUTR-CDS	0	0	1	1	SUTR-CDS
ZNF345-PTPRH	chr19	36851904	-	chr19	55188168	-	N-SUTR-CDS	0	0	1	1	SUTR-CDS
ZNF346-NSD1	chr5	177044533	-	chr5	177044533	-	YCD5-CDS	0	1	0	-	-
ZNF346-NSD1	chr5	177044533	-	chr5	177044533	-	YCD5-CDS	0	1	0	-	-
ZNF348-SLC12A5	chr20	46840373	-	chr20	46840373	-	YCD5-CDS	0	1	0	-	-
ZNF354A-SLC12A7	chr5	1089128	-	chr5	1089128	-	N-CDS-CDS-3X	0	0	1	1	In-frame
ZNF354C-PRSS3	chr5	17906295	-	chr5	33796643	-	N-CDS-CDS	0	0	1	1	Out-of-frame
ZNF37A-PIPK1B	chr10	38096632	-	chr10	68818461	-	N-CDS-SUTR-1X	0	0	1	1	CDS-SUTR
ZNF383-TEX14	chr19	37236074	-	chr17	58652002	-	N-CDS-SUTR	0	0	1	1	CDS-SUTR
ZNF384-CDC3A	chr12	6669031	-	chr12	6669031	-	N-SUTR-CDS	0	1	0	-	-
ZNF384-CDC3A	chr12	6669031	-	chr12	6669031	-	YCD5-CDS	0	1	0	-	-
ZNF385A-NAV3	chr12	54384428	-	chr12	78159203	-	YCD5-CDS	0	1	1	1	In-frame
ZNF385A-NAV3	chr12	54384428	-	chr12	78159203	-	YCD5-CDS	0	1	1	1	In-frame
ZNF385A-NAV3	chr12	54384428	-	chr12	78159203	-	YCD5-CDS	0	1	1	1	In-frame
ZNF385B-SCG5	chr2	179769503	-	chr2	179769503	-	YCD5-CDS	0	1	0	-	-
ZNF385B-SCG5	chr2	179769503	-	chr2	179769503	-	YCD5-CDS	0	1	0	-	-
ZNF385B-SCG5	chr2	179769503	-	chr2	179769503	-	YCD5-CDS	0	1	0	-	-
ZNF385B-FKBP7	chr2	17981101	-	chr2	17981101	-	N-SUTR-SUTR-1X	0	0	1	1	SUTR-SUTR
ZNF385B-FKBP7	chr2	17981101	-	chr2	17981101	-	N-SUTR-SUTR-1X	0	0	1	1	SUTR-SUTR
ZNF395-SLC25A4	chr8	28386004	-	chr8	28386004	-	N-SUTR-CDS	0	0	1	1	SUTR-CDS
ZNF398-TPK1	chr7	149177651	-	chr7	149177651	-	N-CDS-CDS	0	0	1	1	Out-of-frame
ZNF407-CYB5A	chr18	74641122	-	chr18	74641122	-	N-CDS-CDS-148X	0	0	1	1	Out-of-frame
ZNF410-FSTL1	chr14	73896366	-	chr14	73896366	-	YCD5-CDS	0	1	0	-	-
ZNF410-FSTL1	chr14	73896366	-	chr14	73896366	-	YCD5-CDS	0	1	0	-	-
ZNF410-FSTL1	chr14	73896366	-	chr14	73896366	-	YCD5-CDS	0	1	0	-	-
ZNF410-ANKS3	chr14	73898262	-	chr14	73898262	-	N-CDS-CDS-2X	0	1	1	1	Out-of-frame
ZNF410-ACOT4	chr14	73923522	-	chr14	73923522	-	N-CDS-CDS-26X	0	0	1	1	Out-of-frame
ZNF414-MYO1F	chr19	8510851	-	chr19	8510851	-	YCD5-CDS	0	0	1	1	In-frame
ZNF415-EIF3H	chr19	53115704	-	chr19	53115704	-	YCD5-CDS	0	1	0	-	-
ZNF416-ACTN4	chr19	38700600	-	chr19	38700600	-	YCD5-CDS	0	1	0	-	-
ZNF416-ACTN4	chr19	38700600	-	chr19	38700600	-	YCD5-CDS	0	1	0	-	-
ZNF416-C19orf18	chr19	57966632	-	chr19	57966632	-	N-CDS-CDS	0	0	1	1	Out-of-frame
ZNF416-DTD1	chr19	5787057	-	chr20	18744100	-	YCD5-CDS	0	0	1	1	In-frame
ZNF417-BAX	chr19	48960810	-	chr19	48960810	-	N-CDS-CDS-3X	0	1	0	-	-
ZNF417-BAX	chr19	48960810	-	chr19	48960810	-	N-CDS-CDS-3X	0	1	0	-	-
ZNF418-MYO9B	chr19	57927977	-	chr19	57927977	-	N-CDS-CDS-2X	0	1	0	-	-
ZNF420-SPIN2	chr19	3078570	-	chr19	3078570	-	N-SUTR-CDS	0	0	1	1	SUTR-CDS
ZNF420-DFP1	chr19	37091121	-	chr19	37091121	-	N-CDS-CDS	0	0	1	1	In-frame
ZNF423-CCAR1	chr16	68786136	-	chr16	68786136	-	YCD5-CDS	0	1	1	1	In-frame
ZNF423-NOD2	chr16	50699488	-	chr16	49730771	-	YCD5-CDS	0	1	1	1	In-frame
ZNF423-NCEH1	chr16	49798487	-	chr16	49798487	-	N-CDS-SUTR-3X	0	1	1	1	Out-of-frame
ZNF423-NCEH1	chr16	49798487	-	chr16	49798487	-	N-CDS-SUTR-3X	0	1	1	1	Out-of-frame
ZNF429-LSM14A	chr19	21505774	-	chr19	34226408	-	YCD5-CDS	0	1	1	1	In-frame
ZNF429-C2CD3	chr19	21505774	-	chr11	74098255	-	N-CDS-CDS	0	0	1	1	Out-of-frame
ZNF429-LSM14A	chr19	21505774	-	chr19	34226408	-	YCD5-CDS	0	1	1	1	In-frame
ZNF43-EFHB	chr19	21836036	-	chr19	19936334	-	N-CDS-SUTR	0	1	1	1	CDS-SUTR
ZNF430-CD19	chr19	20232911	-	chr19	28932911	-	N-CDS-CDS-2X	0	0	1	1	Out-of-frame
ZNF430-KCNIP4	chr19	21034184	-	chr19	21034184	-	YCD5-CDS	0	1	1	1	In-frame
ZNF430-GABRB1	chr19	16434037	-	chr19	47031914	-	N-CDS-CDS	0	0	1	1	Out-of-frame
ZNF430-OR7E2A	chr19	21034184	-	chr19	9251085	-	N-CDS-CDS-5X	0	1	0	-	-
ZNF431-EPS15L1	chr19	21143643	-	chr19	16417637	-	N-CDS-CDS	0	0	1	1	In-frame
ZNF431-SIGLEC6	chr19	21143643	-	chr19	51531519	-	N-CDS-CDS-2X	0	0	1	1	Out-of-frame
ZNF432-COL6A1	chr19	52048654	-	chr19	52048654	-	N-CDS-CDS	0	1	0	-	-
ZNF433-CACNA1A	chr19	12303140	-	chr19	12303140	-	N-SUTR-CDS	0	0	1	1	NA
ZNF433-FKBP7	chr19	12303140	-	chr19	12303140	-	N-SUTR-CDS	0	0	1	1	SUTR-CDS
ZNF438-RFTN1	chr10	30984369	-	chr10	30984369	-	N-CDS-SUTR	0	0	1	1	SUTR-CDS
ZNF440-EC5IT	chr19	11580848	-	chr19	11580848	-	YCD5-CDS	0	1	0	-	-
ZNF440-EC5IT	chr19	11580848	-	chr19	11580848	-	YCD5-CDS	0	1	0	-	-
ZNF440-EC5IT	chr19	11580848	-	chr19	11580848	-	YCD5-CDS	0	1	0	-	-
ZNF440-EC5IT	chr19	11580848	-	chr19	11580848	-	YCD5-CDS	0	1	0	-	-
ZNF443-MYO9B	chr19	1240912	-	chr19	17192746	-	YCD5-CDS	0	1	0	-	-
ZNF443-MYO9B	chr19	1240912	-	chr19	17192746	-	YCD5-CDS	0	1	0	-	-
ZNF445-NADSYN1	chr6	57146342	-	chr6	57146342	-	N-CDS-SUTR-23X	0	0	1	1	SUTR-SUTR
ZNF460-SY4	chr19	57280124	-	chr19	43274394	-	N-SUTR-CDS	0	0	1	1	SUTR-CDS
ZNF460-C19orf18	chr19	57280336	-	chr19	57280336	-	N-CDS-CDS	0	0	1	1	Out-of-frame
ZNF460-ELSPBP1	chr19	57284677	-	chr19	48014171	-	YCD5-CDS	0	1	1	1	In-frame
ZNF460-ELSPBP1	chr19	57284677	-	chr19	48014171	-	YCD5-CDS	0	1	1	1	In-frame
ZNF461-AKT1	chr14	104780216	-	chr14	104780216	-	N-CDS-CDS	0	1	1	1	Out-of-frame
ZNF462-ABO1C1	chr9	10693915	-	chr9	10693915	-	N-SUTR-CDS	0	0	1	1	Out-of-frame
ZNF462-ZBED2	chr9	10693915	-	chr9	111595066	-	N-CDS-SUTR:123X	0	0	1	1	CDS-SUTR
ZNF462-RAD23B	chr9	10694409	-	chr9	107306379	-	YCD5-CDS	0	1	0	-	-
ZNF480-CKM	chr19	52315962	-	chr19	45311920	-	YCD5-CDS	0	1	1	1	In-frame
ZNF480-CKM	chr19	52315962	-	chr19	45311920	-	YCD5-CDS	0	1	1	1	In-frame
ZNF480-FARSA	chr19	12930749	-	chr19	12930749	-	YCD5-CDS	0	1	1	1	In-frame
ZNF492-NLRP5	chr19	22634474	-	chr19	56038025	-	N-SUTR-CDS	0	0	1	1	Out-of-frame
ZNF493-TMBIM4	chr19	21397267	-	chr12	66153448	-	N-CDS-CDS	0	0	1	1	SUTR-CDS
ZNF493-RPL13A	chr19	21397267	-	chr19	49489850	-	YCD5-CDS	0	1	0	-	-
ZNF493-TMBIM4	chr19	21397267	-	chr12	66153448	-	N-CDS-CDS	0	1	1	1	Out-of-frame
ZNF493-RPL13A	chr19	21397267	-	chr19	49489850	-	YCD5-CDS	0	1	0	-	-
ZNF493-TMBIM4	chr19	21397267	-	chr12	66153448	-	N-CDS-CDS	0	1	1	1	Out-of-frame
ZNF493-RPL13A	chr19	21397267	-	chr19	49489850	-	YCD5-CDS	0	1	0	-	-
ZNF496-WIF1	chr1	24732863	-	chr1	65077854	-	N-CDS-CDS-2X	0	0	1	1	Out-of-frame
ZNF507-FXYD1	chr19	32360618	-	chr19	35140076	-	YCD5-SUTR	0	0	1	1	CDS-SUTR
ZNF507-BCL2L13	chr19	32360618	-	chr22	17726677	-	N-CDS-CDS-86X	0	0	1	1	Out-of-frame
ZNF512-ANKX4	chr2	27883142	-	chr2	12550131	-	YCD5-CDS	0	1	1	1	Out-of-frame
ZNF512-ANKX4	chr2	27883142	-	chr2	67981520	-	N-CDS-SUTR	0	0	1	1	CDS-SUTR
ZNF512-KCNK3	chr2	26727667	-	chr2	26727667	-	N-CDS-CDS-18X	0	0	1	1	Out-of-frame
ZNF516-MBP	chr18	76900681	-	chr18	7							

