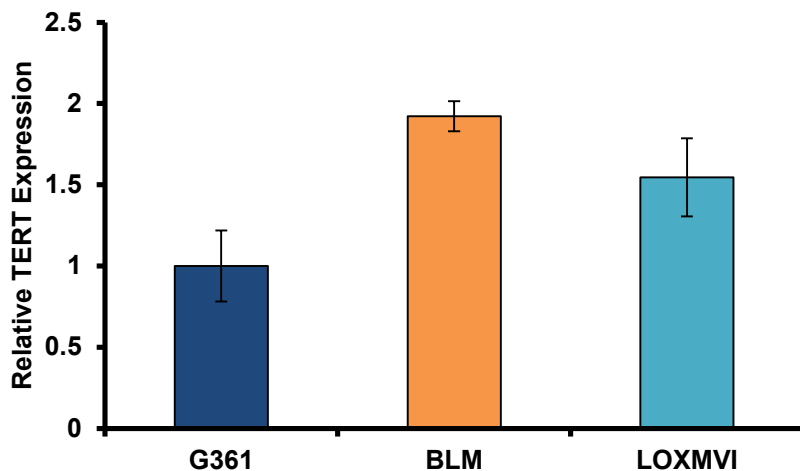


A



B



C

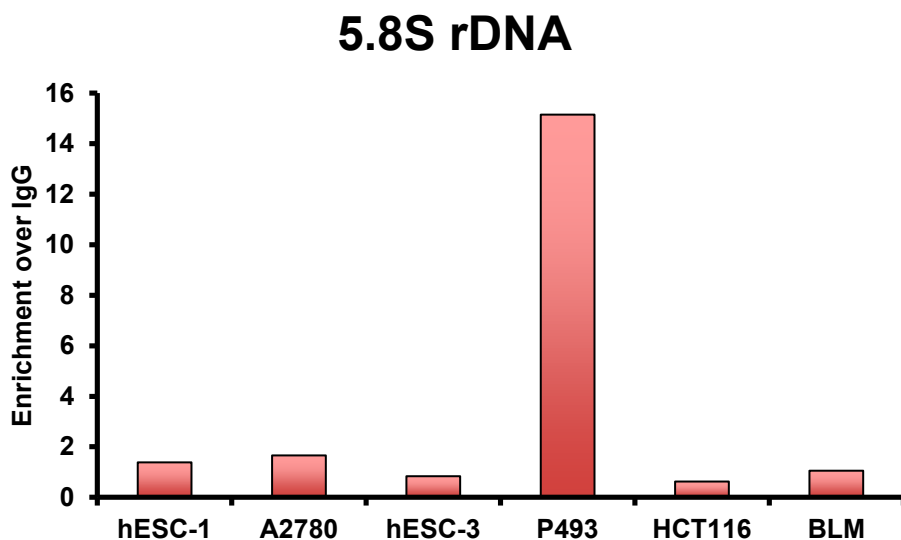
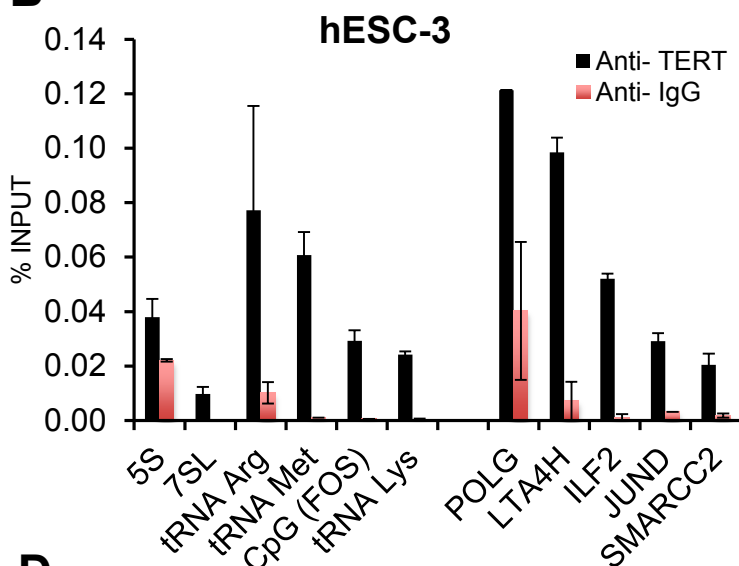


Figure S1. (A) Relative *TERT* expression in melanoma cell lines. Actin was used to normalize the expression levels. Error bars indicate mean \pm SD, n=3.(B) Teloblot analysis in HCT116 cells infected with control vector, TERT WT or TERT DN vectors. (C) ChIP using antibodies against TERT and IgG in indicated cell lines, followed by qPCR with primers specific for 5.8S rDNA promoter, n=3.

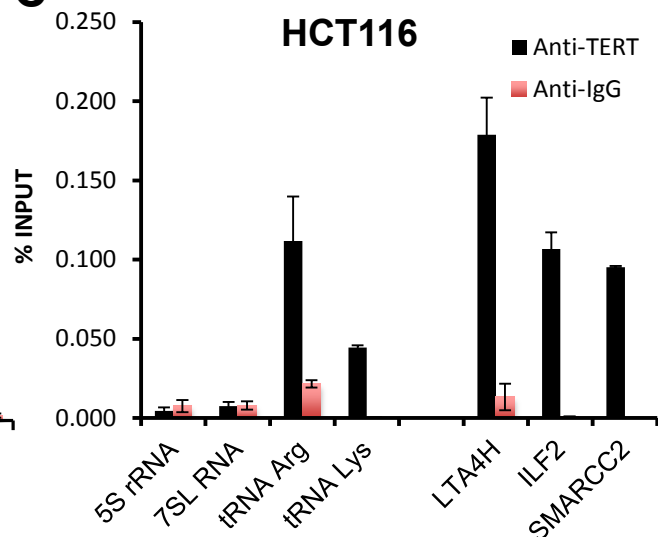
A

	BLM	LOXIMVI	A2780	HCT116	P493	hESC-1	hESC-3
INTERGENIC	263	246	102	27	316	326	241
PROMOTER (TSS)	58	74	25	10	87	74	53
INTRON	22	20	18	6	50	52	37
TTS	7	7	2	1	9	8	8
NON-CODING	2	3	2	1	7	3	4
3'UTR	1	1	0	0	0	0	1
EXON	2	2	0	0	3	0	1
NA	2	2	1	1	2	1	0
Total Number of Peaks	357	355	150	46	474	464	345

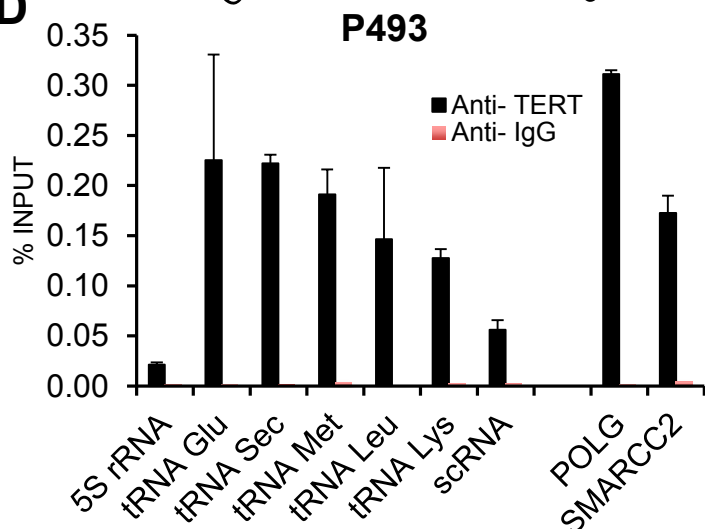
B



C



D



E

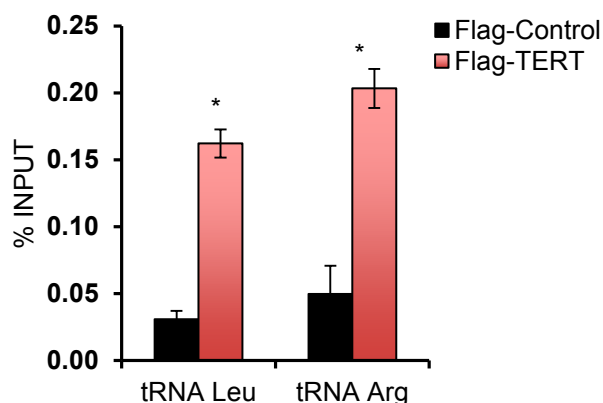


Figure S2. (A) Table shows annotation of ChIP-Seq peaks obtained in various cell lines indicated in the first column. (B)-(D) ChIP using TERT and IgG antibodies, followed by qRT-PCR with primers specific for indicated target regions (x-axis) and cell lines (indicated as graph heading). (E) HCT116 cells were infected with vectors expressing Flag control vector and Flag tagged TERT vector. After 4 days of infection, cells were processed for ChIP using flag antibody followed by qRT-PCR with primers specific for indicated target regions (x-axis). Student's t test was performed for statistical analysis. * indicates p value < 0.05. Error bars indicate mean \pm SD, n=3.

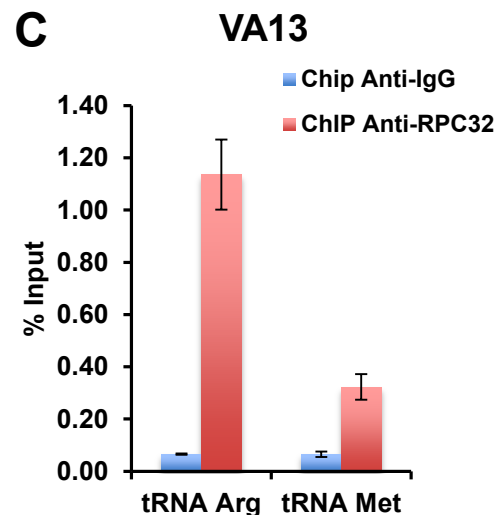
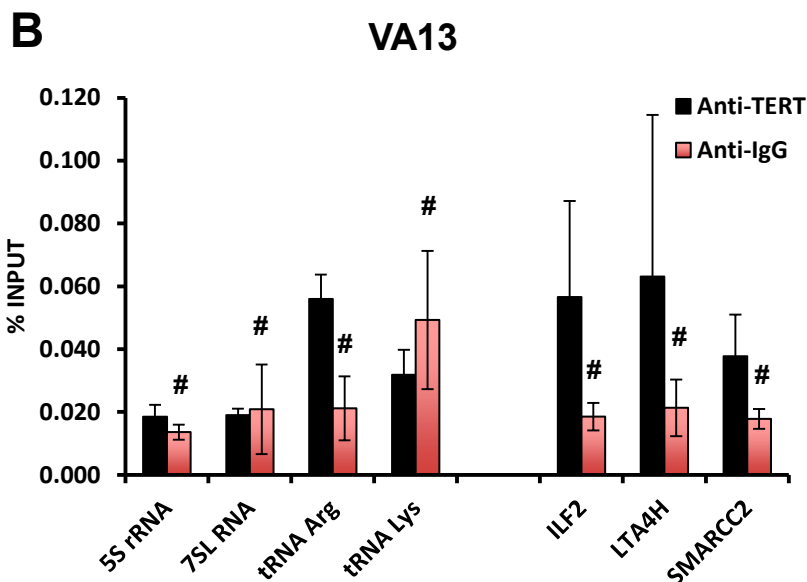
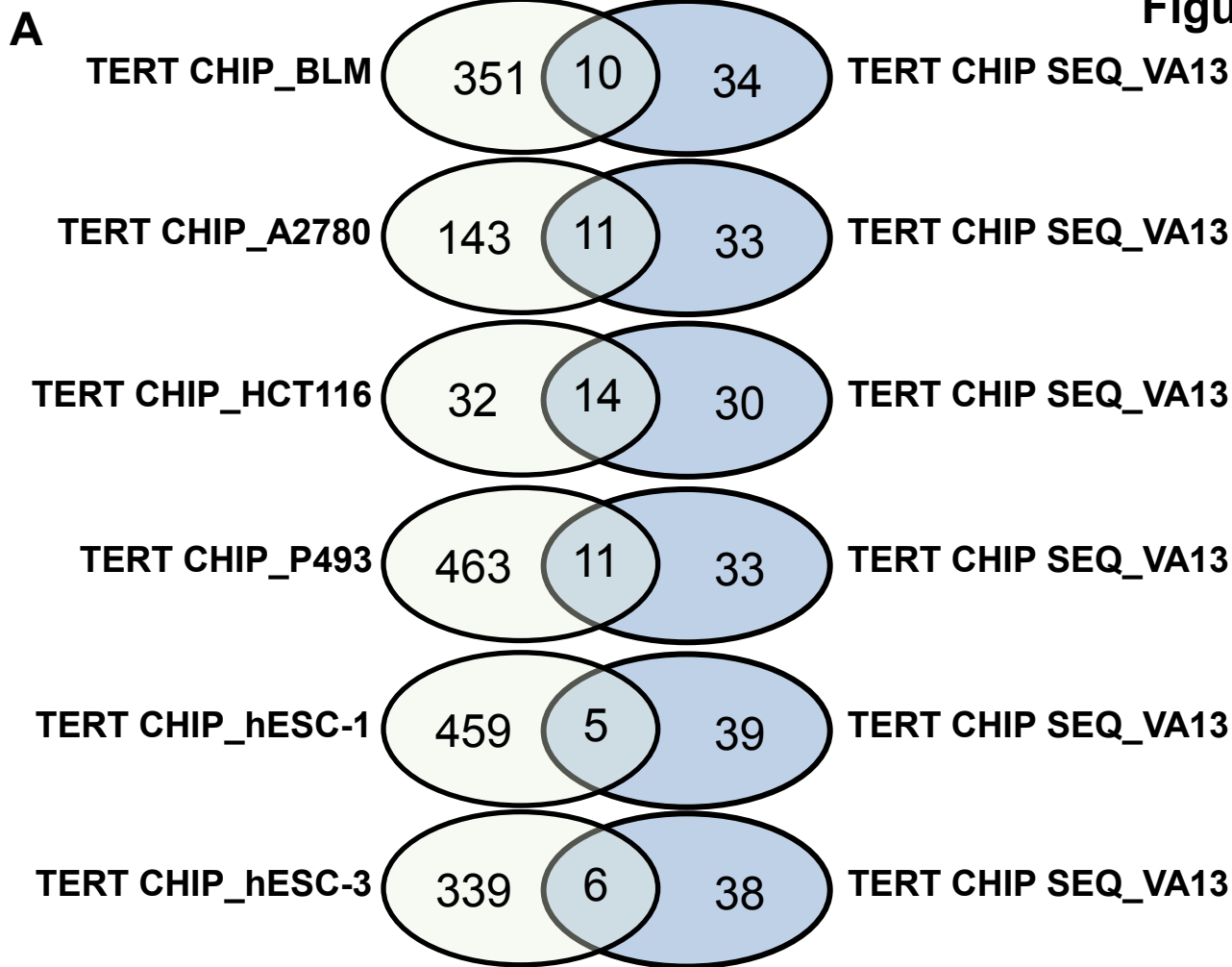


Figure S3. (A) Overlap of TERT ChIP-Seq peaks for VA13 with TERT ChIP Seq peaks from indicated cell types. (B) ChIP using TERT and IgG antibodies, followed by qRT-PCR with primers specific for indicated target regions in VA13 cells. (C) ChIP-qPCR analysis of RPC32 and IgG from VA13 cells on tRNA Arg and tRNA Met. Error bars indicate mean \pm SD, n=3, #pvalue > 0.05, non-significant.

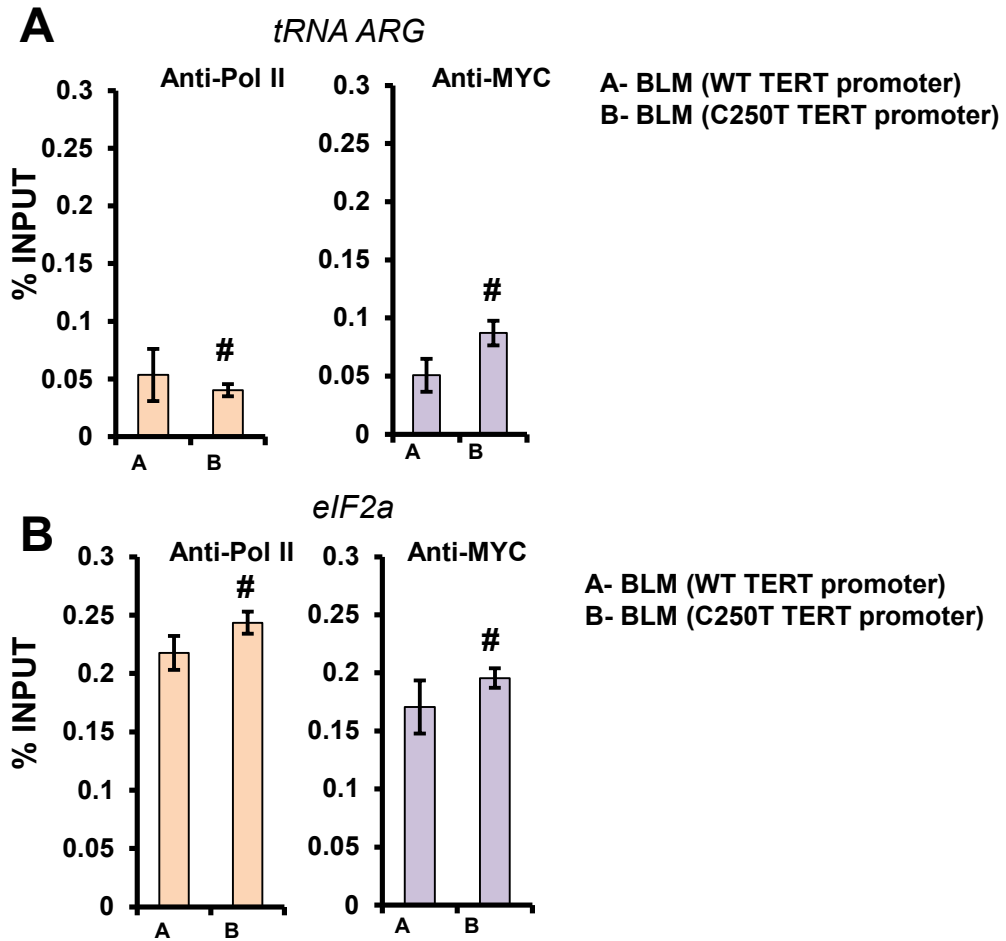
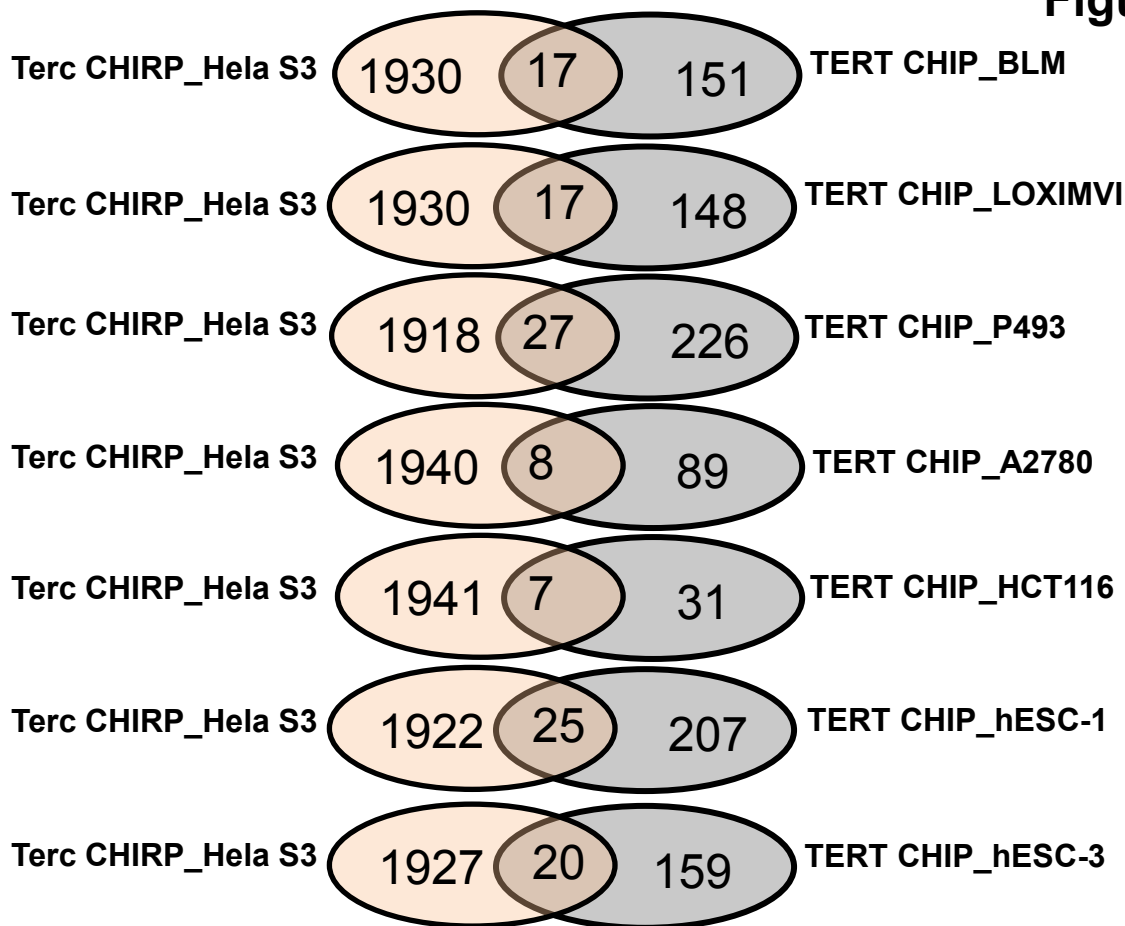
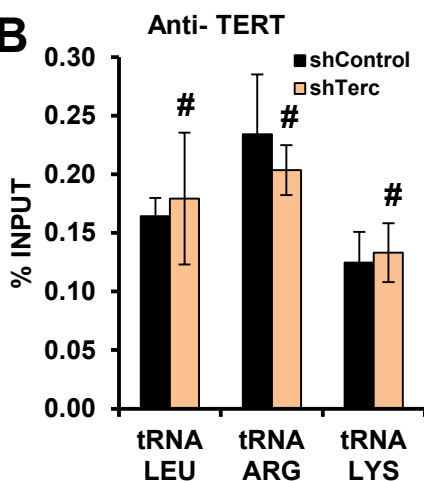


Figure S4. (A-B) CHIP was performed in BLM WT and BLM C250T cells against RNA polymerase II (POL II) and MYC antibody followed by q-PCR with primers specific for *tRNA ARG* encoding genomic region and *eIF2 α* promoter. Error bars indicate mean \pm SD, n=3. Student's t test was performed and # indicates pvalue > 0.05, non-significant; * indicates pvalue<0.05, significant.

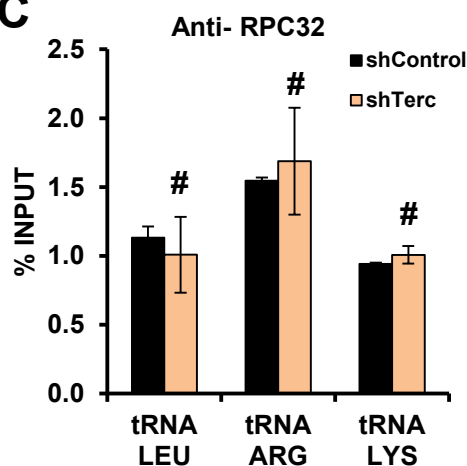
A



B



C



D

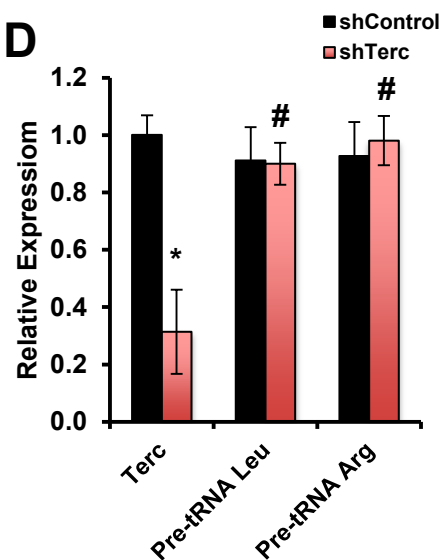


Figure S5. (A) Overlap between genes associated with the peaks obtained from TERT ChIP-Seq and TERC ChIRP. The overlapping peaks are excluded from TERT ChIP-Seq peaks obtained in telomerase negative cell line VA13. (C-D) ChIP was performed in BLM cells infected with shControl vector or shTerc vector (after 72h) against TERT and RPC32 proteins. Graph shows the % INPUT obtained upon qPCR using target regions indicated on X-axis. (E) qPCR analysis of target genes in BLM cells infected with shControl vector or shTerc vector after 72h. Actin was used for normalization. Error bars indicate mean±SD, n=3. Student's t test was performed and # indicates pvalue > 0.05, non-significant; * indicates pvalue < 0.05, significant.

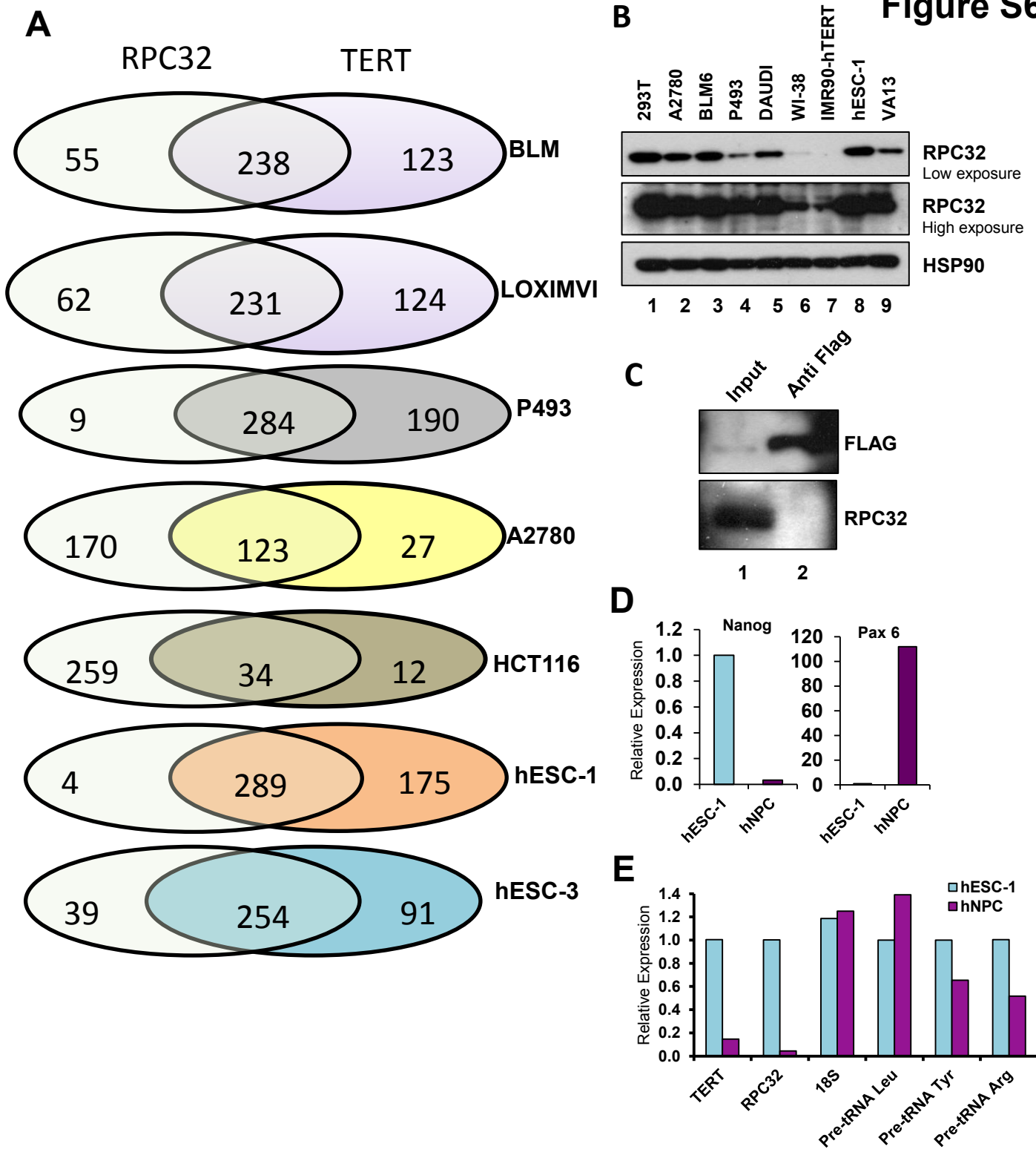


Figure S6. (A) Overlap of ChIP-Seq peaks for RPC32 (in IMR90-TERT cells) and TERT from various cell types. (B) Western blotting of RPC32 and HSP90 in various cell lines as indicated. (C) Immunoprecipitation analysis using Flag beads was performed and gel shows western blotting with indicated antibodies using IMR-90-hTERT flag cells. (D) Human Embryonic stem cells-1 line (hESC-1) were differentiated into Neural progenitor cells (NPC). RNA was extracted and graph shows the expression of genes listed as graph heading. n=1. (E) Samples from (E) were analyzed for expression of indicated genes on x-axis.

Figure S7

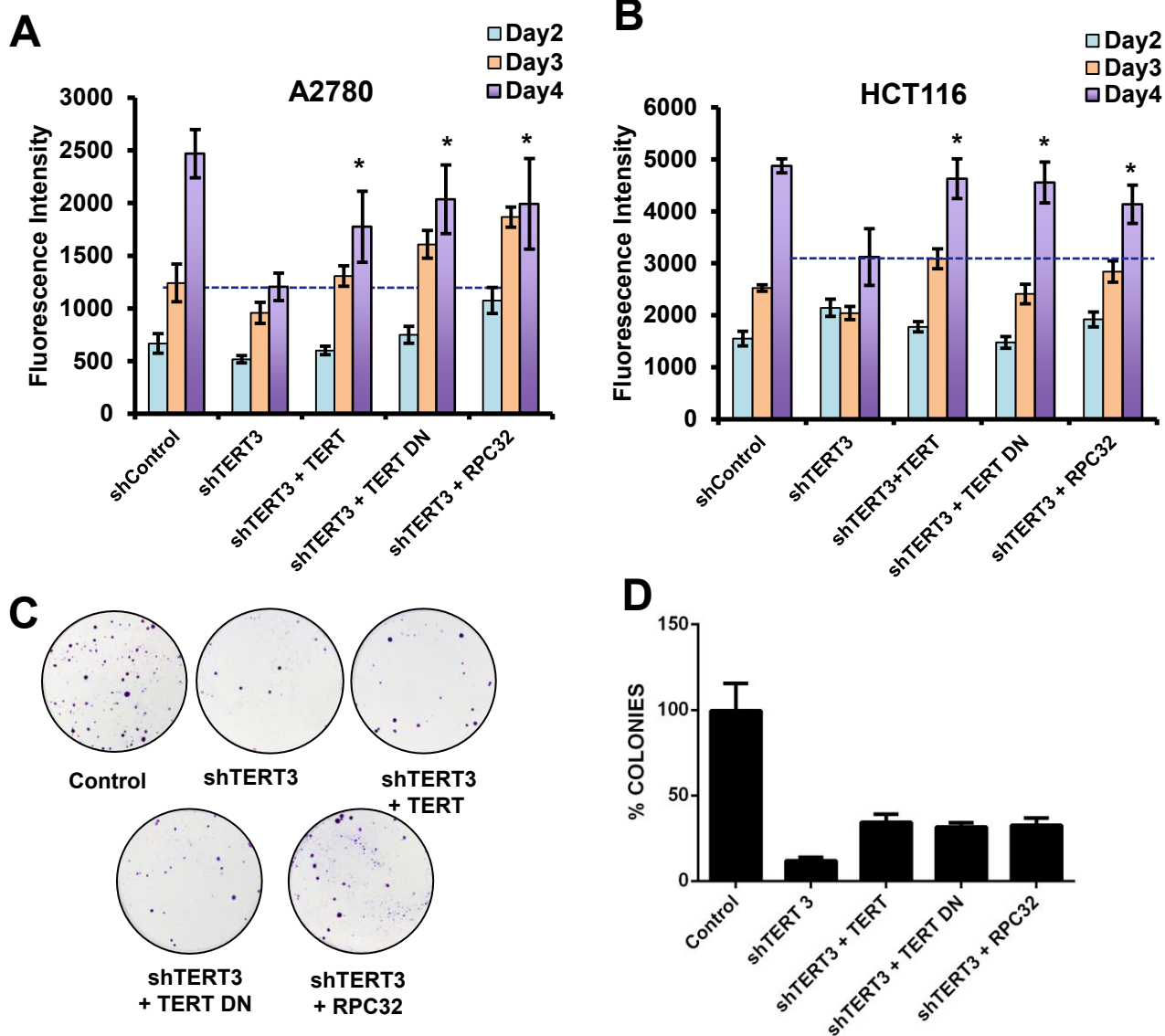


Figure S7. (A-B) Cell proliferation in HCT and A2780 cells infected shControl, shTERT1, shTERT3, shTERT3 + TERT, shTERT3 + TERT DN and shTERT3 + RPC32. Graph shows fluorescence intensity measured using alamar blue viability assay (C) Colony formation in HCT cells infected shControl, shTERT3, shTERT3 + TERT, shTERT3 + TERT DN and shTERT3 + RPC32. (D) Quantification of colony formation in (C). Error bars indicate mean \pm SD, n=3. 1-way ANOVA with Tukey's multiple comparison test was performed and * indicates pvalue<0.05, significant.

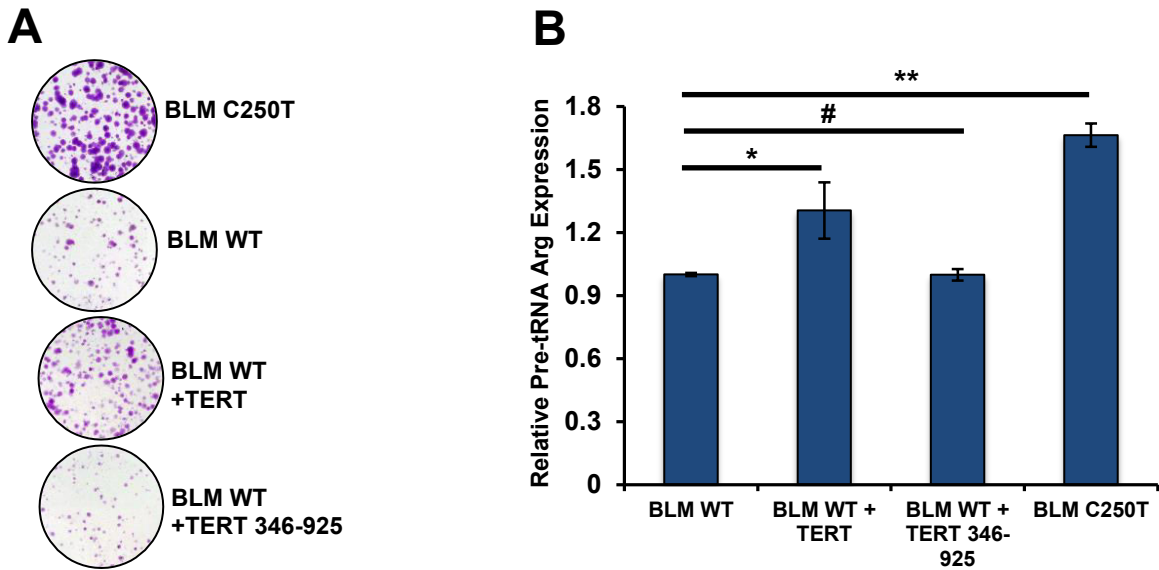


Figure S8. (A) Colony formation assay in BLM C250T, BLM WT cells or BLM WT infected with TERT or TERT 346-925. (B) Graph shows relative expression of Pre-tRNA Arg normalized against actin levels in BLM C250T, BLM WT cells or BLM WT infected with TERT or TERT 346-925. 1-way ANOVA with Tukey's multiple comparison test was performed. * pvalue < 0.05, significant; # pvalue >0.05, non-significant. Error bars indicate mean \pm SD, n=3.

Supplementary Table 1

PeakID	Chr	Start	End	Annotation	Detailed Annotation	Distance to TSS	Nearest Prom	Entrez ID	Nearest Unigene	Nearest Refseq	Nearest Ensembl
BLM6_peak_39	chr1	161431589	161432286	Intergenic	CpG	-43268	NM_021642	2212	Hs.352642	NM_021642	HPRD:0906
BLM6_peak_33	chr1	161416772	161417494	Intergenic	CpG	-58072	NM_021642	2212	Hs.352642	NM_021642	HPRD:0906
BLM6_peak_36	chr1	161424148	161424828	Intergenic	CpG	-50717	NM_021642	2212	Hs.352642	NM_021642	HPRD:0906
BLM6_peak_42	chr1	161438952	161439659	Intergenic	CpG	-35900	NM_021642	2212	Hs.352642	NM_021642	HPRD:0906
BLM6_peak_223	chr6	26322919	26323322	Intergenic	Intergenic	-37393	NM_003543	8365	Hs.591790	NM_003543	HPRD:11919
BLM6_peak_73	chr10	69524118	69524511	Intergenic	tRNA-Ser-TCA [tRNA] tRNA	-68368	NM_013266	29119	Hs.21375	NM_013266	HPRD:09639
BLM6_peak_283	chr6	27758894	27759335	Intergenic	Intergenic	16595	NM_003519	8340	Hs.137594	NM_003519	HPRD:11898
BLM6_peak_227	chr6	26521344	26521748	promoter-TSS (NR_026790)	promoter-TSS (NR_026790)	-388	NR_026790	493812	NR_026790	ENS00000228223	
BLM6_peak_112	chr14	58706447	58706843	Intergenic	tRNA-Lys-AAG [tRNA] tRNA	-4878	NM_002788	5684	Hs.558799	NM_002788	HPRD:01463
BLM6_peak_221	chr6	26312680	26313584	Intergenic	Intergenic	-27405	NM_003543	8365	Hs.591790	NM_003543	HPRD:11919
BLM6_peak_229	chr6	26537574	26538516	promoter-TSS (NM_006353)	promoter-TSS (NM_006353)	-527	NM_006353	10473	Hs.236774	NM_006353	
BLM6_peak_229	chr6	26556592	26557051	Intergenic	tRNA-Lys-AAG [tRNA] tRNA	18249	NM_006353	10473	Hs.236774	NM_006353	
BLM6_peak_29	chr1	161397693	161398096	Intergenic	tRNA-Asn-AAC [tRNA] tRNA	-60221	NM_001013	257177	Hs.534593	NM_001013625	HPRD:13257
BLM6_peak_262	chr6	27487163	27487527	Intergenic	tRNA-Gln-CAG [tRNA] tRNA	-46448	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
BLM6_peak_224	chr6	26327686	26328653	Intergenic	Intergenic	-37218	NR_001197	11118	Hs.376046	NM_007047	HPRD:12547
BLM6_peak_91	chr12	125411740	125412593	Intergenic	Intergenic	12073	NR_049820	100847004	NR_049820	miRBase:MI0018167	
BLM6_peak_140	chr16	57333745	57334627	Intergenic	AluB SINE Alu	-15602	NM_015993	51090	Hs.632215	NM_015993	HPRD:11854
BLM6_peak_203	chr5	140098373	140098821	promoter-TSS (NR_026704)	promoter-TSS (NR_026704)	86	NR_026704	56663	NR_026704	ENS00000202111	
BLM6_peak_225	chr6	26330308	26330750	Intergenic	tRNA-Met-I [tRNA] tRNA	-34858	NM_001197	11118	Hs.376046	NM_007047	HPRD:12547
BLM6_peak_204	chr5	140105629	140106085	TTS (NR_026705)	TTS (NR_026705)	113	NR_026705	56662	NR_026705	ENS00000202515	
BLM6_peak_166	chr17	73031045	73031455	intron (NR_110835, intron 2)	tRNA-Arg-CGG [tRNA] tRNA	2588	NR_110835	23510	Hs.514468	NM_015353	HPRD:17176
BLM6_peak_114	chr14	102783246	102783658	promoter-TSS (NM_001267827)	promoter-TSS (NM_001267827)	-262	NM_001267	55778	Hs.743359	NM_018335	
BLM6_peak_25	chr1	153643592	153643965	promoter-TSS (NM_004515)	promoter-TSS (NM_004515)	-274	NM_004515	3608	Hs.75117	NM_004515	HPRD:04419
BLM6_peak_15	chr1	145396689	145397126	intron (NM_001039703, intron 1)	tRNA-His-CAY [tRNA] tRNA	-16284	NM_213653	148738	Hs.632436	NM_145277	HPRD:10521
BLM6_peak_213	chr5	180618503	180618922	intron (NR_108031, intron 1)	CpG-21583	1796	NR_108031	102577426	NR_108031	NR_108031	
BLM6_peak_237	chr6	26577200	26577577	Intergenic	tRNA-Tyr-TAC [tRNA] tRNA	-19783	NM_013375	29777	Hs.254406	NM_013375	HPRD:16469
BLM6_peak_148	chr17	8042024	8042950	Intergenic	Intergenic	5902	NR_106943	102465532	NR_106943	NR_106943	
BLM6_peak_138	chr16	22308333	22308726	promoter-TSS (NM_00125803)	promoter-TSS (NM_00125803)	-167	NM_018119	55718	Hs.460298	NM_018119	HPRD:15155
BLM6_peak_234	chr6	26568954	26569320	Intergenic	tRNA-Tyr-TAC [tRNA] tRNA	-28034	NM_013375	29777	Hs.254406	NM_013375	HPRD:16469
BLM6_peak_43	chr1	161439991	161440362	Intergenic	CpG	-35029	NM_021642	2212	Hs.352642	NM_021642	HPRD:0906
BLM6_peak_215	chr5	180634616	180635042	Intergenic	tRNA-Lys-AAG [tRNA] tRNA	-2536	NM_032993	81786	Hs.487412	NM_033042	HPRD:11648
BLM6_peak_70	chr1	249167917	249168693	Intergenic	Intergenic	-14990	NM_001193	55657	Hs.377705	NM_017865	HPRD:07922
BLM6_peak_14	chr1	145395370	145395712	intron (NM_001039703, intron 1)	tRNA-Lys-AAG [tRNA] tRNA	-17650	NM_213653	148738	Hs.632436	NM_145277	HPRD:10521
BLM6_peak_34	chr1	161417776	161418233	Intergenic	CpG	-57201	NM_021642	2212	Hs.352642	NM_021642	HPRD:0906
BLM6_peak_296	chr6	28641453	28641822	Intergenic	tRNA-Ala-GCG [tRNA] tRNA	-86525	NM_052923	114821	Hs.176980	NM_052923	HPRD:11720
BLM6_peak_47	chr1	161509890	161510274	Intergenic	tRNA-Asn-AAC [tRNA] tRNA	9736	NM_001127	2214	Hs.372679	NM_000569	HPRD:0903
BLM6_peak_281	chr6	27721025	27721391	Intergenic	tRNA-Val-GU [tRNA] tRNA	-8315	NR_038929	100131289	Hs.200573	NR_038929	
BLM6_peak_342	chr8	67025470	67025868	Intergenic	tRNA-Tyr-TAC [tRNA] tRNA	-13609	NM_184087	84675	Hs.85524	NM_033058	HPRD:05927
BLM6_peak_57	chr1	228754831	228755238	Intergenic	CpG	-25360	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
BLM6_peak_66	chr1	228774928	228775301	Intergenic	CpG	-5280	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
BLM6_peak_202	chr5	140090753	140091143	promoter-TSS (NR_026703)	promoter-TSS (NR_026703)	87	NR_026703	56664	NR_026703	ENS00000199990	
BLM6_peak_249	chr6	27247910	27248273	Intergenic	tRNA-Val-GTG [tRNA] tRNA	31920	NM_033482	94026	Hs.729955	NM_033482	ENS00000158553
BLM6_peak_170	chr19	1383175	1383844	promoter-TSS (NM_024407)	promoter-TSS (NM_024407)	-374	NM_024407	374291	Hs.211914	NM_024407	
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BLM6_peak_69	chr1	228781625	228782017	intron (NR_037962, intron 1)	CpG-2319	1164	NR_002834	574029	Hs.647777	NR_002834	
BLM6_peak_271	chr6	27573292	27573655	Intergenic	tRNA-Leu-TTG [tRNA] tRNA	-88341	NR_038293	100507173	Hs.635987	NR_038292	
BLM6_peak_301	chr6	28696945	28697363	Intergenic	tRNA-Ala-GCY [tRNA] tRNA	134300	NR_033379	401242	Hs.448285	NR_033379	ENS00000225595
BLM6_peak_345	chr8	124169296	124169664	Intergenic	tRNA-Met [tRNA] tRNA	-21807	NM_207006	84985	Hs.379821	NM_032899	HPRD:17489
BLM6_peak_55	chr1	228750346	228750767	Intergenic	CpG	-29838	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
BLM6_peak_165	chr17	73029855	73030715	intron (NR_110835, intron 2)	intron (NR_110835, intron 2 of 7)	1623	NR_110835	23510	Hs.514468	NM_015353	HPRD:17176
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BLM6_peak_136	chr16	14379580	14380006	Intergenic	tRNA-Thr-ACG [tRNA] tRNA	-18031	NR_030177	574455	NR_030177	miRBase:MI0003137	
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BLM6_peak_145	chr17	8022917	8023879	TTS (NM_032580)	TTS (NM_032580)	-1164	NM_001165	59344	Hs.232770	NM_012628	HPRD:06231
BLM6_peak_59	chr1	228759244	228759630	Intergenic	CpG	-20957	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
BLM6_peak_228	chr6	26532977	26533344	Intergenic	tRNA-Thr-ACY [tRNA] tRNA	-5412	NM_006353	10473	Hs.236774	NM_006353	
BLM6_peak_76	chr11	59317939	59319468	Intergenic	Intergenic	36317	NM_001004	390199	Hs.553757	NM_001004	HPRD:17728
BLM6_peak_4	chr1	16872355	16872630	Intergenic	tRNA-Gly-GGG [tRNA] tRNA	2967	NR_037446	100500876	NR_037446	miRBase:MI0016076	
BLM6_peak_216	chr5	180645048	180645462	Intergenic	Intergenic	4375	NR_037881	100516342	NR_037881	miRBase:MI0017265	
BLM6_peak_278	chr6	27655838	27656333	Intergenic	Intergenic	5719	NR_038293	100507173	Hs.635987	NR_038292	
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BLM6_peak_116	chr15	40885852	40886233	promoter-TSS (NM_144508)	promoter-TSS (NM_144508)	-410	NM_170589	57082	Hs.181855	NM_144508	HPRD:10634
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BLM6_peak_58	chr1	228757046	228757410	Intergenic	CpG	-23166	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
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BLM6_peak_80	chr11	59333674	59334053	Intergenic	tRNA-Phe-TTY [tRNA] tRNA	28768	NR_036120	100422880	NR_036120	NR_036120	
BLM6_peak_217	chr5	180648811	180649618	TTS (NR_039781)	TTS (NR_039781)	419	NR_039781	100616342	NR_039781	miRBase:MI0017265	
BLM6_peak_214	chr5	180633738	180634085	Intergenic	tRNA-Ala-GCG [tRNA] tRNA	-1618	NM_202993	81786	Hs.487412	NM_033342	HPRD:11648
BLM6_peak_152	chr17	8125379	8125766	intron (NR_026951, intron 2)	tRNA-Asp-GAY [tRNA] tRNA	1789	NR_026951	284029	Hs.121692	NM_173621	HPRD:08755
BLM6_peak_49	chr1	161591311	161591683	Intergenic	tRNA-Asn-AAC [tRNA] tRNA	9340	NM_001271	2215	Hs.372679	NM_000570	HPRD:09951
BLM6_peak_127	chr16	3207210	3207260	Intergenic	tRNA-Lys-AAG [tRNA] tRNA	22274	NM_001134	7760	Hs.115284	NM_002200	HPRD:12224
BLM6_peak_13	chr1	94312982	94313387	promoter-TSS (NM_00126140)	promoter-TSS (NM_00126140)	-478	NM_001261	8412	Hs.36958	NM_003567	HPRD:05268
BLM6_peak_153	chr17	8125971	8126357	non-coding (NR_026951, exon 2)	non-coding (NR_026951, exon 2)	1197	NR_026951	284029	Hs.121692	NM_173621	HPRD:08755
BLM6_peak_265	chr6	27515373	27515700	Intergenic	tRNA-Gln-CAG [tRNA] tRNA	-74639	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
BLM6_peak_46	chr1	161500742	161501145	Intergenic	tRNA-Gly-GAG [tRNA] tRNA	6907	NM_002155	3310	Hs.654614	NM_002155	HPRD:00775
BLM6_peak_119	chr15										

BLM6_peak_1	chr17	8124736	8125103	intron (NR_026951, intron 2 of 3)	CpG	2442	NR_026951	284029	Hs.121692	NM_173621	HPRD:08755
BLM6_peak_90	chr12	125406137	125406490	Intergenic	tRNA-Ala-GCG [tRNA] tRNA	6220	NR_049820	100847004	NR_049820	miRBase:MI0018167	
BLM6_peak_248	chr6	27205160	27205561	Intergenic	tRNA-Ile-ATT [tRNA] tRNA	-10142	NM_005865	10279	Hs.274407	NM_005865	HPRD:06205
BLM6_peak_65	chr1	228727698	228773094	Intergenic	CpG	-7498	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
BLM6_peak_106	chr14	21151340	21151726	promoter-TSS (NM_001145)	promoter-TSS (NM_001145)	-803	NM_001145	283	Hs.283749	NM_001145	HPRD:00105
BLM6_peak_323	chr6	28949850	28950211	Intergenic	tRNA-Glu-GAG [tRNA] tRNA	23007	NM_001010	282890	NM.01010877	NM_001010877	HPRD:18325
BLM6_peak_156	chr17	29877002	29877357	Intergenic	Intergenic	-9836	NR_029710	406968	NR_029710	miRBase:MI00000487	
BLM6_peak_180	chr2	27273556	27274295	promoter-TSS (NM_021831)	promoter-TSS (NM_021831)	-566	NM_021831	60509	Hs.138207	NM_021831	HPRD:07968
BLM6_peak_123	chr15	89878161	89878558	promoter-TSS (NM_00112613)	promoter-TSS (NM_00112613)	-333	NM_002693	5428	Hs.706868	NM_002693	HPRD:01438
BLM6_peak_117	chr15	45490620	45491029	intron (NM_138356, intron 2 of 3)	tRNA-His-CAY [tRNA] tRNA	2549	NM_138356	90525	Hs.310399	NM_138356	HPRD:14272
BLM6_peak_45	chr1	161499970	161500346	Intergenic	tRNA-Leu-CTG [tRNA] tRNA	6122	NM_002155	3310	Hs.654614	NM_002155	HPRD:00775
BLM6_peak_146	chr17	8024102	8024475	3' UTR (NM_032580, exon 4 of 4)	3' UTR (NM_032580, exon 4 of 4)	-2054	NM_001165	59344	Hs.232770	NM_001165	HPRD:06231
BLM6_peak_44	chr1	161493472	161493868	promoter-TSS (NM_002155)	promoter-TSS (NM_002155)	-366	NM_002155	3310	Hs.654614	NM_002155	HPRD:00775
BLM6_peak_328	chr6	144537539	144537900	Intergenic	tRNA-Leu-TTA [tRNA] tRNA	66065	NM_003764	8676	Hs.118958	NM_003764	
BLM6_peak_143	chr16	87417472	87417823	promoter-TSS (NM_024735)	promoter-TSS (NM_024735)	-248	NM_024735	79791	Hs.567582	NM_024735	
BLM6_peak_289	chr6	28510714	28511096	Intergenic	tRNA-Arg-CGA [tRNA] tRNA	17116	NM_003996	2880	Hs.248129	NM_003996	HPRD:11941
BLM6_peak_171	chr19	4723957	4724826	promoter-TSS (NM_139159)	promoter-TSS (NM_139159)	-541	NM_139159	91039	Hs.515081	NM_139159	HPRD:07001
BLM6_peak_62	chr1	228768002	228768353	Intergenic	CpG	-14217	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
BLM6_peak_230	chr6	26553573	26553965	Intergenic	tRNA-Ala-GCG [tRNA] tRNA	15197	NM_006353	10473	Hs.236774	NM_006353	
BLM6_peak_284	chr6	27763473	27763866	Intergenic	tRNA-Gln-CAA [tRNA] tRNA	12040	NM_003519	8340	Hs.137594	NM_003519	HPRD:11898
BLM6_peak_126	chr16	3202753	3203221	Intergenic	Intergenic	17853	NM_001134	7760	Hs.115284	NM_004220	HPRD:12224
BLM6_peak_79	chr11	59327629	59327984	Intergenic	Intergenic	34825	NR_036120	100422880	NR_036120		
BLM6_peak_125	chr16	3200543	3200887	Intergenic	tRNA-Arg-CGG [tRNA] tRNA	15581	NM_001134	7760	Hs.115284	NM_004220	HPRD:12224
BLM6_peak_169	chr19	1021387	1021760	promoter-TSS (NM_033420)	promoter-TSS (NM_033420)	52	NR_125730	103625684	NR_125730		
BLM6_peak_343	chr8	67026142	67026653	Intergenic	Intergenic	-12881	NM_184087	84675	Hs.85524	NM_033058	HPRD:05927
BLM6_peak_200	chr5	1293444	1293570	exon (NM_001193376, exon 2 of 2)	exon (NM_001193376, exon 2 of 2)	905	NM_198253	7015	Hs.492203	NM_198253	HPRD:01754
BLM6_peak_87	chr12	96429674	96430022	promoter-TSS (NM_000895)	promoter-TSS (NM_000895)	-409	NM_000895	4048	Hs.524648	NM_000895	HPRD:01056
BLM6_peak_327	chr6	126101246	126101597	promoter-TSS (NM_00119961)	promoter-TSS (NM_00119961)	-886	NM_001199	135112	Hs.171426	NM_181782	HPRD:14814
BLM6_peak_167	chr17	80452427	80452817	Intergenic	tRNA-Met-I [tRNA] tRNA	-24972	NM_004514	3607	Hs.591140	NM_004514	HPRD:00982
BLM6_peak_316	chr6	28863826	28864225	promoter-TSS (NR_104117)	promoter-TSS (NR_104117)	-282	NR_104117	414760	Hs.211005	NR_104117	
BLM6_peak_162	chr17	37310596	37310953	Intergenic	tRNA-Cys-TGY [tRNA] tRNA	-2872	NM_020405	57125	Hs.125036	NM_020405	HPRD:08439
BLM6_peak_273	chr6	27618531	27618907	Intergenic	tRNA-Val-GTY [tRNA] tRNA	-43095	NR_038293	100507173	Hs.635987	NR_038292	
BLM6_peak_38	chr1	161427796	161428109	Intergenic	CpG	-47253	NM_021642	2212	Hs.352642	NM_021642	HPRD:09096
BLM6_peak_28	chr1	161391717	161392094	Intergenic	tRNA-Glu-GAA [tRNA] tRNA	-54232	NM_001013	257177	Hs.534593	NM_001013625	HPRD:13257
BLM6_peak_243	chr6	27144842	27145195	Intergenic	tRNA-Ile-ATT [tRNA] tRNA	29613	NR_036096	100422934	NR_036096	miRBase:MI0014167	
BLM6_peak_257	chr6	27447331	27447673	Intergenic	tRNA-Asp-GAY [tRNA] tRNA	-6605	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
BLM6_peak_291	chr6	28564900	28565315	Intergenic	Intergenic	-9995	NM_052923	114821	Hs.176980	NM_052923	HPRD:11720
BLM6_peak_41	chr1	161435140	161435262	Intergenic	CpG	-39872	NM_021642	2212	Hs.352642	NM_021642	HPRD:09096
BLM6_peak_81	chr11	66115466	66115813	promoter-TSS (NM_006876)	promoter-TSS (NM_006876)	-478	NM_006876	11041	Hs.8526	NM_006876	HPRD:09270
BLM6_peak_164	chr17	66015866	66016206	Intergenic	tRNA-Arg-AGG [tRNA] tRNA	-15812	NM_002266	3838	Hs.594238	NM_002266	HPRD:02818
BLM6_peak_287	chr6	28442171	28442525	Intergenic	tRNA-Thr-ACC [tRNA] tRNA	-31069	NM_001012	222696	Hs.721841	NM_001012455	ENSG00000187987
BLM6_peak_105	chr14	21149724	21150071	Intergenic	tRNA-Thr-ACA [tRNA] tRNA	-2439	NM_001145	283	Hs.283749	NM_001145	HPRD:00105
BLM6_peak_100	chr14	21081335	21082122	Intergenic	Intergenic	-22746	NM_001024	493901	Hs.729466	NM_001024822	HPRD:18667
BLM6_peak_238	chr6	26594968	26595336	Intergenic	tRNA-Tyr-TAC [tRNA] tRNA	-2019	NM_013375	29777	Hs.254406	NM_013375	HPRD:16469
BLM6_peak_288	chr6	28456629	28456959	Intergenic	tRNA-Thr-CAG [tRNA] tRNA	26776	NM_182701	257202	Hs.448570	NM_182701	HPRD:12132
BLM6_peak_5	chr1	17004594	17004957	Intergenic	tRNA-Gly-GGC [tRNA] tRNA	-2975	NR_037446	100500876	NR_037446	miRBase:MI0016076	
BLM6_peak_232	chr6	26555338	26555739	Intergenic	tRNA-Pro-CYC [tRNA] tRNA	16943	NM_006353	10473	Hs.236774	NM_006353	
BLM6_peak_313	chr6	28806095	28806429	Intergenic	tRNA-Ala-GCY [tRNA] tRNA	25192	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
BLM6_peak_161	chr17	37309822	37310174	Intergenic	tRNA-Cys-TGY [tRNA] tRNA	-2096	NM_020405	57125	Hs.125036	NM_020405	HPRD:08439
BLM6_peak_111	chr14	50329109	50329681	Intergenic	7S rRNA [srpRNA] srpRNA	-9856	NM_004713	9147	Hs.655964	NM_004713	HPRD:08494
BLM6_peak_60	chr1	228761517	228761871	Intergenic	CpG	-18700	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
BLM6_peak_52	chr1	204475537	204475834	Intergenic	Intergenic	-9565	NM_001278	4194	Hs.497492	NM_001278	HPRD:04082
BLM6_peak_268	chr6	27551099	27551418	Intergenic	tRNA-Asp-GAY [tRNA] tRNA	-110361	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
BLM6_peak_120	chr15	66161237	66161596	promoter-TSS (NM_004663)	promoter-TSS (NM_004663)	-381	NM_001206	8766	Hs.321541	NM_004663	HPRD:05715
BLM6_peak_51	chr1	16784450	16784895	Intergenic	tRNA-Pro-CYC [tRNA] tRNA	-6437	NR_024569	9018	Hs.493910	NM_030653	HPRD:05086
BLM6_peak_150	chr17	8124030	8124394	non-coding (NR_026951, exon 3 of 3)	non-coding (NR_026951, exon 3 of 3)	3149	NR_026951	284029	Hs.121692	NM_173621	HPRD:08755
BLM6_peak_240	chr6	27064981	27065361	Intergenic	Intergenic	35404	NM_021058	8970	Hs.591807	NM_021058	
BLM6_peak_299	chr6	28687361	28687761	Intergenic	Intergenic	-132449	NM_052923	114821	Hs.176980	NM_052923	HPRD:11720
BLM6_peak_48	chr1	161582400	161582726	Intergenic	tRNA-Gly-GCA [tRNA] tRNA	6714	NR_024151	3311	Hs.662180	NR_024151	
BLM6_peak_294	chr6	28615805	28616165	Intergenic	tRNA-Thr-ACC [tRNA] tRNA	-60873	NM_052923	114821	Hs.176980	NM_052923	HPRD:11720
BLM6_peak_103	chr14	21099176	21099512	Intergenic	tRNA-Thr-ACA [tRNA] tRNA	10506	NM_001011	341799	Hs.513132	NM_001010968	HPRD:17779
BLM6_peak_89	chr12	98897925	98898221	promoter-TSS (NR_038383)	promoter-TSS (NR_038383)	-440	NR_038383	643770	Hs.129589	NR_038383	ENSG00000245017
BLM6_peak_300	chr6	28693692	28694002	Intergenic	tRNA-Thr-AGY [tRNA] tRNA	137587	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
BLM6_peak_253	chr6	27265665	27266040	Intergenic	tRNA-Ser-AGY [tRNA] tRNA	14179	NM_033482	94026	Hs.729955	NR_033482	ENSG00000158553
BLM6_peak_9	chr1	17188303	17188673	Intergenic	tRNA-Gly-GGC [tRNA] tRNA	-2954	NR_037446	100500876	NR_037446	miRBase:MI0016076	
BLM6_peak_78	chr11	59324743	59325183	Intergenic	Intergenic	37668	NR_036120	100422880	NR_036120		
BLM6_peak_209	chr5	180596480	180596812	Intergenic	tRNA-Val-GTY [tRNA] tRNA	14703	NM_206880	285659	Hs.553681	NM_206880	HPRD:14956
BLM6_peak_163	chr17	47269754	47270132	Intergenic	CpG	16800	NM_031498	2793	Hs.181781	NM_031498	HPRD:06792
BLM6_peak_226	chr6	26331532	26331853	Intergenic	tRNA-Trp-TGG [tRNA] tRNA	-33695	NM_001197	11118	Hs.376046	NM_007047	HPRD:12547
BLM6_peak_220	chr6	26311835	26312165	Intergenic	tRNA-Gln-CAA [tRNA] tRNA	-26273	NM_003543	8365	Hs.591790	NM_003543	HPRD:11919
BLM6_peak_93	chr13	31247933	31248312	Intergenic	tRNA-Asn-ACA [tRNA] tRNA	-39493	NM_001204	241	Hs.507658	NM_001629	HPRD:04742
BLM6_peak_320	chr6	28918691	28919024	Intergenic	tRNA-Lys-AAA [tRNA] tRNA	7296	NR_103538	729583	Hs.453549	NR_103538	
BLM6_peak_118	chr15	45492445	45492786	intron (NM_138356, intron 1 of 3)	tRNA-His-CAY [tRNA] tRNA	758	NM_138356	90525	Hs.310399	NM_138356	HPRD:14272
BLM6_peak_141	chr16	70812762	70813120	intron (NM_018052, intron 9 of 9)	tRNA-Gly-GGY [tRNA] tRNA	22120	NM_018052	55697	Hs.445061	NM_018052	HPRD:07660
BLM6_peak_20	chr1	148598113	148598511	intron (NR_104217, intron 2 of 2)	intron (NR_104217, intron 2 of 2)	37465	NM_173638	284565	Hs.523572	NM_173638	HPRD:14710
BLM6_peak_157	chr17	36907906	36908227	promoter-TSS (NM_002795)	promoter-TSS (NM_002795)	-900	NR_104194	5691	Hs.82793	NM_002795	HPRD:03709
BLM6_peak_168	chr19	893379	893391								

BLM6_peak_309	chr6	28770385	28770754	Intergenic	Intergenic	60885	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
BLM6_peak_315	chr6	28849054	28849352	Intergenic	tRNA-Arg-CGG tRNA tRNA	-15104	NR_104117	414760	Hs.211005	NR_104117	
BLM6_peak_279	chr6	27688758	27689087	Intergenic	tRNA-Leu-TTA tRNA tRNA	27064	NR_038292	100507173	Hs.635987	NR_038292	
BLM6_peak_292	chr6	28574853	28575138	Intergenic	tRNA-Ala-GCY tRNA tRNA	-19883	NR_052923	114821	Hs.176980	NR_052923	HPRD:11720
BLM6_peak_258	chr6	27463487	27463821	Intergenic	tRNA-Ser-TCG tRNA tRNA	-22757	NR_007149	7738	Hs.158174	NR_007149	HPRD:03785
BLM6_peak_293	chr6	28611123	28611440	Intergenic	tRNA-Ala-GCG tRNA tRNA	-56169	NR_052923	114821	Hs.176980	NR_052923	HPRD:11720
BLM6_peak_110	chr14	50053159	50053733	promoter-TSS (NM_001032)	promoter-TSS (NM_001032)	-312	NR_001030	6235	Hs.156367	NR_001032	HPRD:04698
BLM6_peak_322	chr6	28949315	28949595	Intergenic	tRNA-Phe-TTY tRNA tRNA	23582	NR_001010	282890	Hs.148218	NR_001010	HPRD:18325
BLM6_peak_241	chr6	27125814	27126176	Intergenic	Intergenic	10590	NR_036096	100422934		NR_036096	miRBase:MI0014167
BLM6_peak_109	chr14	32672247	32672541	promoter-TSS (NR_125730).4	promoter-TSS (NR_125730).4	81	NR_125730	103625684		NR_125730	
BLM6_peak_113	chr14	73429569	73429890	Intergenic	tRNA-Cys-TGY tRNA tRNA	23935	NR_178441	53349	Hs.335106	NR_011260	HPRD:12017
BLM6_peak_276	chr6	27640050	27640430	Intergenic	tRNA-Ser-TCG tRNA tRNA	-21574	NR_038293	100507173	Hs.635987	NR_038292	
BLM6_peak_124	chr16	686602	686932	promoter-TSS (NM_032366)	promoter-TSS (NM_032366)	-401	NR_109979	84326	Hs.239500	NR_032366	HPRD:17482
BLM6_peak_302	chr6	28703049	28703379	Intergenic	tRNA-Ala-GCY tRNA tRNA	128240	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
BLM6_peak_154	chr17	8129428	8130484	non-coding (NR_046431, exon 22)	non-coding (NR_046431, exon 22)	-2595	NR_026951	284029	Hs.121692	NR_173621	HPRD:08755
BLM6_peak_259	chr6	27470761	27471054	Intergenic	Intergenic	-30010	NR_007149	7738	Hs.158174	NR_007149	HPRD:03785
BLM6_peak_176	chr19	45981710	45982050	Intergenic	tRNA-Ser-C tRNA tRNA	10627	NR_006732	2354	Hs.590858	NR_006732	HPRD:01270
BLM6_peak_159	chr17	37023785	37024080	Intergenic	tRNA-Cys-TGY tRNA tRNA	-2180	NR_073384	3927	Hs.741156	NR_006148	HPRD:04229
BLM6_peak_239	chr6	27059407	27059740	Intergenic	tRNA-Pro-CCG tRNA tRNA	41002	NR_021058	8970	Hs.591807	NR_021058	
BLM6_peak_304	chr6	28715415	28715724	Intergenic	tRNA-Lys-AAA tRNA tRNA	115885	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
BLM6_peak_18	chr1	14782590	14782593	intron (NR_102404, intron 17)	tRNA-Gln-CAG tRNA tRNA	-19082	NR_049810	100847044		NR_049810	
BLM6_peak_181	chr2	43037529	43037876	Intergenic	tRNA-Ile-ATA tRNA tRNA	-17951	NR_012205	23498	Hs.368805	NR_012205	HPRD:05158
BLM6_peak_310	chr6	28775495	28775792	Intergenic	tRNA-Phe-TTY tRNA tRNA	55811	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
BLM6_peak_311	chr6	28779742	28780021	Intergenic	tRNA-Ala-GCY tRNA tRNA	51573	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
BLM6_peak_155	chr17	19411363	19411704	Intergenic	tRNA-Trp-TGG tRNA tRNA	-25634	NR_018242	55244	Hs.232054	NR_018242	HPRD:07703
BLM6_peak_94	chr13	41634752	41635031	promoter-TSS (NM_007187)	promoter-TSS (NM_007187)	-806	NR_007187	11193	Hs.411300	NR_007187	HPRD:16086
BLM6_peak_324	chr6	52860367	52860847	promoter-TSS (NM_001512)	promoter-TSS (NM_001512)	-429	NR_001512	2941	Hs.485557	NR_001512	HPRD:06899
BLM6_peak_133	chr16	3239531	3239829	Intergenic	tRNA-Pro-CYC tRNA tRNA	-14567	NR_012360	4992	Hs.664502	NR_012360	HPRD:09125
BLM6_peak_269	chr6	27559480	27559797	Intergenic	tRNA-Lys-AAA tRNA tRNA	-102176	NR_038293	100507173	Hs.635987	NR_038292	
BLM6_peak_21	chr1	148760184	148760506	intron (NR_104217, intron 2 of 17)	intron (NR_104217, intron 2 of 17)	-45670	NR_001144	730262		NR_001144032	
BLM6_peak_121	chr15	68132148	68132467	promoter-TSS (NR_125730).5	promoter-TSS (NR_125730).5	76	NR_125730	103625684		NR_125730	
BLM6_peak_130	chr16	3225533	3225889	Intergenic	tRNA-Lys-AAG tRNA tRNA	-28536	NR_012360	4992	Hs.664502	NR_012360	HPRD:09125
BLM6_peak_191	chr21	18826922	18827287	Intergenic	tRNA-Gly-GVY tRNA tRNA	15896	NR_037855	100505929	Hs.46707	NR_00105521	ENSG00000232560
BLM6_peak_8	chr1	17386598	17386896	Intergenic	tRNA-Val-GTG tRNA tRNA	-1231	NR_037446	100500876		NR_037446	miRBase:MI0016076
BLM6_peak_132	chr16	3233949	3234137	Intergenic	tRNA-Pro-CCA tRNA tRNA	-20114	NR_012360	4992	Hs.664502	NR_012360	HPRD:09125
BLM6_peak_263	chr6	27509386	27509721	Intergenic	Intergenic	-68656	NR_007149	7738	Hs.158174	NR_007149	HPRD:03785
BLM6_peak_306	chr6	28757404	28757690	Intergenic	tRNA-Ala-GCA tRNA tRNA	73907	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
BLM6_peak_3	chr1	16661680	16661920	Intergenic	CpG	-13609	NR_037446	100500876		NR_037446	miRBase:MI0016076
BLM6_peak_333	chr7	148638512	148638765	Intergenic	HY5 scRNA scRNA	-57197	NR_001203	2146	Hs.444082	NR_004456	HPRD:03342
BLM6_peak_26	chr1	159111273	159111549	Intergenic	tRNA-Arg-AGA tRNA tRNA	-29966	NR_021189	57863	Hs.365689	NR_021189	HPRD:13733
BLM6_peak_22	chr1	149294508	149294806	Intergenic	Intergenic	7206	NR_111934	644634	Hs.723057	NR_111934	
BLM6_peak_305	chr6	28725994	28726312	Intergenic	tRNA-Ala-GCA tRNA tRNA	105301	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
BLM6_peak_129	chr16	3221965	3222262	Intergenic	tRNA-Pro-CCG tRNA tRNA	-32134	NR_012360	4992	Hs.664502	NR_012360	HPRD:09125
BLM6_peak_86	chr12	56584065	56584307	promoter-TSS (NM_003075)	promoter-TSS (NM_003075)	-835	NR_003075	6601	Hs.236030	NR_003075	HPRD:03437
BLM6_peak_172	chr19	18392447	18392728	promoter-TSS (NR_036155)	promoter-TSS (NR_036155)	-121	NR_001286	3727	Hs.2780	NR_005354	HPRD:01304
BLM6_peak_360	chrX	18692889	18693202	Intergenic	tRNA-Val-GTA tRNA tRNA	-2822	NR_000330	6247	Hs.715725	NR_000330	HPRD:02426
BLM6_peak_334	chr7	148660336	148660592	Intergenic	HY4 scRNA scRNA	65318	NR_004911	9601	Hs.93659	NR_004911	HPRD:05921
BLM6_peak_115	chr15	26327244	26327539	Intergenic	tRNA-Glu-GAG tRNA tRNA	-33569	NR_038851	503519	Hs.371380	NR_038851	ENSG00000259150
BLM6_peak_61	chr1	228763803	228764094	Intergenic	CpG	-16446	NR_037962	58480	Hs.647774	NR_021205	HPRD:06965
BLM6_peak_139	chr16	22309708	22310007	intron (NM_001258035, intron 1)	MIR SINE MIR	1161	NR_001258	55718	Hs.460298	NR_018119	HPRD:15155
BLM6_peak_264	chr6	27513394	27513661	Intergenic	tRNA-Ser-TCA tRNA tRNA	-72630	NR_007149	7738	Hs.158174	NR_007149	HPRD:03785
BLM6_peak_206	chr5	180523970	180524271	Intergenic	tRNA-Val-GTY tRNA tRNA	28184	NR_001258	26693	Hs.742585	NR_001258283	ENSG00000185372
BLM6_peak_208	chr5	180591088	180591399	Intergenic	Intergenic	9300	NR_206880	285659	Hs.553681	NR_206880	HPRD:14956
BLM6_peak_307	chr6	28758388	28758633	Intergenic	tRNA-Phe-TTY tRNA tRNA	72934	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
BLM6_peak_158	chr17	37017782	37018081	Intergenic	Intergenic	-7878	NR_009978	9349	Hs.406100	NR_000978	
BLM6_peak_335	chr7	148680766	148681031	Intergenic	HY3 scRNA scRNA	44884	NR_004911	9601	Hs.93659	NR_004911	HPRD:06501
BLM6_peak_245	chr6	27182880	27183122	Intergenic	tRNA-Arg-GCY tRNA tRNA	-32501	NR_005865	10279	Hs.274407	NR_005865	HPRD:06205
BLM6_peak_298	chr6	28678277	28678575	Intergenic	tRNA-Ala-GCY tRNA tRNA	-123314	NR_052923	114821	Hs.176980	NR_052923	HPRD:11720
BLM6_peak_75	chr11	35547974	35548321	promoter-TSS (NM_015430)	promoter-TSS (NM_015430)	-568	NR_001282	25891	Hs.55044	NR_015430	HPRD:07104
BLM6_peak_201	chr5	135416081	135416325	promoter-TSS (NR_030583)	promoter-TSS (NR_030583)	83	NR_030583	100126299		NR_030583	ENSG00000270123
BLM6_peak_179	chr19	50620877	50621175	promoter-TSS (NR_024228).3	promoter-TSS (NR_024228).3	71	NR_024223	100169952	Hs.723094	NR_024223	
BLM6_peak_272	chr6	27586071	27586313	Intergenic	tRNA-Thr-ACA tRNA tRNA	-75622	NR_038293	100507173	Hs.635987	NR_038292	
BLM6_peak_184	chr2	101368373	101368743	Intergenic	AluSg7 SINE Alu	-68055	NR_002518	4862	Hs.156832	NR_002518	HPRD:09137
BLM6_peak_312	chr6	28784925	28785178	Intergenic	tRNA-Ala-GCA tRNA tRNA	46403	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
BLM6_peak_74	chr11	5246194	5247150	TTS (NM_000518)	TTS (NM_000518)	1629	NR_000518	3043	Hs.523443	NR_000518	HPRD:00786
BLM6_peak_23	chr1	149298428	149298631	Intergenic	[CAAAA]n Simple_repeat Simple_repeat	11093	NR_111934	644634	Hs.723057	NR_111934	
BLM6_peak_30	chr1	161409865	161410076	Intergenic	tRNA-Gly-GAG tRNA tRNA	-65235	NR_021642	2212	Hs.352642	NR_021642	HPRD:00906
BLM6_peak_134	chr16	3241442	3241760	Intergenic	tRNA-Lys-AAG tRNA tRNA	-12691	NR_012360	4992	Hs.664502	NR_012360	HPRD:09125
BLM6_peak_210	chr5	180600563	180600805	Intergenic	tRNA-Val-GTY tRNA tRNA	18224	NR_108031	102577426	Hs.277359	NR_108031	
BLM6_peak_244	chr6	27181536	27181739	Intergenic	tRNA-Arg-GCY tRNA tRNA	-33865	NR_005865	10279	Hs.274407	NR_005865	HPRD:06205
BLM6_peak_24	chr1	149680112	149680348	Intergenic	tRNA-Gly-GGG tRNA tRNA	-74020	NR_000566	2209	Hs.77424	NR_000566	HPRD:00904
BLM6_peak_97	chr14	20811246	20811550	promoter-TSS (NM_005484)	promoter-TSS (NM_005484)	172	NR_002312	85495	Hs.613102	NR_002312	ENSG00000259001
BLM6_peak_207	chr5	180529152	180529384	Intergenic	tRNA-Val-GTY tRNA tRNA	23036	NR_001258	26693	Hs.742585	NR_001258283	ENSG00000185372
BLM6_peak_338	chr8	17352524	17352774	Intergenic	Intergenic	-1948	NR_001008	6542	Hs.448520	NR_003046	HPRD:03524
BLM6_peak_222	chr6	26319236	26319460	Intergenic	tRNA-Trp-TGG tRNA tRNA	-33621	NR_003543	8365	Hs.591790	NR_003543	HPRD:11919
BLM6_peak_346	chr9	14433863	14434071	Intergenic	tRNA-His-CAY tRNA tRNA	-34985	NR_001190	4781	Hs.644095	NR_005096	HPRD:09008
BLM6_peak_297	chr6	28663603	28663867	Intergenic	tRNA-Ala-GCY tRNA tRNA	-108623	NR_052923	114821	Hs.176980	NR_052923	HPRD:11720
BLM6_peak_247	chr6	27203203	27203453	Intergenic	tRNA-Val-GTY tRNA tRNA	-12174	NR_005865	10279	Hs.274407	NR_005865	HPRD:06205
BLM6_peak_187	chr20	6727607	6727803	Intergenic	MIR SINE MIR	-21040	NR_001200	650	Hs.73853	NR_001200	HPRD:02026
BLM6_peak_182	chr2	47562452	47562643	intron (NR_110208, intron 1 of 2)	BC200 scRNA scRNA	9666	NR_110207	101927043	Hs.515976	NR_110207	ENSG00000234690
BLM6_peak_205	chr5	173193644	173194114	Intergenic	AluY SINE Alu	-20667	NR_108027	101928136	Hs.449267	NR_108027	
BLM6_peak_337	chr7	149388200	149388407	Intergenic	tRNA-Cys-TGY tRNA tRNA	-23799	NR_032534	8426	Hs.299560	NR_032534	HPRD:11167
BLM6_peak_135	chr16	3241960	3242158	Intergenic	tRNA-Pro-CYC tRNA tRNA	-12188	NR_012360	4992	Hs.664502	NR_012360	HPRD:09

PeakID	Chr	Start	End	Annotation	Detailed Annotation	Distance to	Nearest PromoterID	Entrez ID	Nearest Unigene	Nearest Refseq	Nearest Ensembl
LOX peak 64	chr1	228781607	228782055	intron (NR_037962, intron 1)	CpG-2319	1174	NR_002834	574029	Hs.647777	NR_002834	
LOX peak 50	chr1	228750323	228750762	Intergenic	CpG	-29852	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
LOX peak 55	chr1	228761465	228761899	Intergenic	CpG	-18712	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
LOX peak 54	chr1	228759212	228759633	Intergenic	CpG	-20972	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
LOX peak 30	chr1	161424198	161424843	Intergenic	CpG	-50685	NM_021642	2212	Hs.352642	NM_021642	HPRD:00906
LOX peak 60	chr1	228772670	228773091	Intergenic	CpG	-7514	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
LOX peak 129	chr16	22206854	22207250	Intergenic	tRNA-Leu-CTA [tRNA] tRNA	-10540	NM_013302	29904	Hs.498892	NM_013302	
LOX peak 58	chr1	228768207	228768723	Intergenic	CpG	-11929	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
LOX peak 48	chr1	228745857	228746265	Intergenic	CpG	-34333	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
LOX peak 51	chr1	228752570	228752956	Intergenic	CpG	-27631	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
LOX peak 33	chr1	161431613	161432244	Intergenic	CpG	-43277	NM_021642	2212	Hs.352642	NM_021642	HPRD:00906
LOX peak 181	chr2	27273518	27274310	promoter-TSS (NM_021831)	promoter-TSS (NM_021831)	-577	NM_021831	60509	Hs.138207	NM_021831	HPRD:07968
LOX peak 65	chr1	249167939	249168718	Intergenic	Intergenic	-15013	NM_001193328	55657	Hs.377705	NM_017865	HPRD:07922
LOX peak 117	chr15	89878161	89878571	promoter-TSS (NM_0011261)	promoter-TSS (NM_001126131)	-340	NM_002693	5428	Hs.706688	NM_002693	HPRD:01438
LOX peak 29	chr1	161420295	161420773	Intergenic	CpG	-54671	NM_021642	2212	Hs.352642	NM_021642	HPRD:00906
LOX peak 59	chr1	228770466	228770897	Intergenic	CpG	-9713	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
LOX peak 198	chr5	140105609	140106066	promoter-TSS (NR_026705)	promoter-TSS (NR_026705)	93	NR_026705	56662		NR_026705	ENSG00000202515
LOX peak 8	chr1	145399042	145399475	intron (NM_001039703, intron 1)	tRNA-Glu-GAG [tRNA] tRNA	-13933	NM_213653	148738	Hs.632436	NM_145277	HPRD:10521
LOX peak 36	chr1	161439634	161439634	Intergenic	CpG	-35905	NM_021642	2212	Hs.352642	NM_021642	HPRD:10521
LOX peak 63	chr1	228779374	228779849	promoter-TSS (NR_037962)	promoter-TSS (NR_037962)	-783	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
LOX peak 5	chr1	145395327	145395747	intron (NM_001039703, intron 1)	tRNA-Lys-AAG [tRNA] tRNA	-17654	NM_213653	148738	Hs.632436	NM_145277	HPRD:10521
LOX peak 109	chr15	40885845	40886242	promoter-TSS (NM_144508)	promoter-TSS (NM_144508)	-404	NM_170589	57082	Hs.181855	NM_144508	HPRD:10634
LOX peak 53	chr1	228757023	228757420	Intergenic	CpG	-23173	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
LOX peak 46	chr1	204475518	204476364	Intergenic	Intergenic	-9566	NM_001278518	4194	Hs.497492	NM_002393	HPRD:04082
LOX peak 52	chr1	228754816	228755255	Intergenic	CpG	-25359	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
LOX peak 7	chr1	145397692	145398071	intron (NM_001039703, intron 1)	tRNA-Gly-GGA [tRNA] tRNA	-15310	NM_213653	148738	Hs.632436	NM_145277	HPRD:10521
LOX peak 26	chr1	161414614	161417460	Intergenic	CpG	-85068	NM_021642	2212	Hs.352642	NM_021642	HPRD:00906
LOX peak 111	chr15	45492811	45492811	intron (NM_138356, intron 1)	tRNA-His-CAY [tRNA] tRNA	760	NM_138356	90525	Hs.310399	NM_138356	HPRD:14272
LOX peak 84	chr12	125411720	125412606	Intergenic	Intergenic	12065	NR_049820	100847004		NR_049820	miRBase:MI0018167
LOX peak 210	chr5	180634613	180635040	Intergenic	tRNA-Lys-AAG [tRNA] tRNA	-2533	NM_203293	81786	Hs.487412	NM_033342	HPRD:11648
LOX peak 169	chr19	50595574	50595998	promoter-TSS (NR_024214)	promoter-TSS (NR_024214.2)	80	NR_024225	100169954	Hs.723094	NR_024225	
LOX peak 139	chr17	8089550	8091131	promoter-TSS (NR_039746)	promoter-TSS (NR_039746)	77	NR_039746	100616406		NR_039746	
LOX peak 61	chr1	228774935	228775343	Intergenic	CpG	-5255	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
LOX peak 57	chr1	228765967	228766348	Intergenic	CpG	-14237	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
LOX peak 176	chr19	50626230	50626567	promoter-TSS (NR_024228)	promoter-TSS (NR_024228).2	53	NR_024225	100169954	Hs.723094	NR_024225	
LOX peak 62	chr1	228777206	228777558	Intergenic	CpG	-3012	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
LOX peak 32	chr1	161427576	161428137	Intergenic	CpG	-47259	NM_021642	2212	Hs.352642	NM_021642	HPRD:00906
LOX peak 128	chr16	14379630	14380004	Intergenic	tRNA-Thr-ACG [tRNA] tRNA	-18007	NR_030177	574455		NR_030177	miRBase:MI0003137
LOX peak 6	chr1	145396687	145397113	intron (NM_001039703, intron 1)	tRNA-His-CAY [tRNA] tRNA	-16291	NM_213653	148738	Hs.632436	NM_145277	HPRD:10521
LOX peak 209	chr5	180633730	180634162	Intergenic	Intergenic	-1653	NM_203293	81786	Hs.487412	NM_033342	HPRD:11648
LOX peak 38	chr1	161494351	161493857	promoter-TSS (NM_002155)	promoter-TSS (NM_002155)	-382	NM_002155	3310	Hs.654614	NM_002155	HPRD:00775
LOX peak 150	chr17	37310555	37310949	Intergenic	tRNA-Cys-TGY [tRNA] tRNA	-2850	NM_020405	57125	Hs.125036	NM_020405	HPRD:08439
LOX peak 49	chr1	228748078	228748514	Intergenic	CpG	-32098	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
LOX peak 17	chr1	149680022	149680415	Intergenic	tRNA-Gly-GGG [tRNA] tRNA	-74032	NM_000566	2209	Hs.77424	NM_000566	HPRD:09094
LOX peak 19	chr1	153643584	153643957	promoter-TSS (NM_004515)	promoter-TSS (NM_004515)	-266	NM_004515	3608	Hs.75117	NM_004515	HPRD:04419
LOX peak 164	chr19	48421545	48421909	promoter-TSS (NR_004436)	promoter-TSS (NR_004436)	41	NR_004435	100126798	Hs.579631	NR_004435	
LOX peak 132	chr16	57333731	57334611	Intergenic	Alu[B] [SINE] Alu	-15587	NM_015993	51090	Hs.632215	NM_015993	HPRD:11854
LOX peak 183	chr2	70479552	70476327	promoter-TSS (NM_022037)	promoter-TSS (NM_022037)	-360	NM_022173	7072	Hs.413123	NM_022037	HPRD:04626
LOX peak 145	chr17	29876964	29877381	Intergenic	Intergenic	-9843	NR_029710	406968		NR_029710	miRBase:MI0000487
LOX peak 196	chr5	140090734	140091128	promoter-TSS (NR_026703)	promoter-TSS (NR_026703)	70	NR_026703	56664		NR_026703	ENSG00000199990
LOX peak 130	chr16	22308322	22308677	promoter-TSS (NM_001258034)	promoter-TSS (NM_001258034)	-197	NM_018119	55718	Hs.460298	NM_018119	HPRD:15155
LOX peak 41	chr1	161508980	161510273	Intergenic	tRNA-Asn-AAC [tRNA] tRNA	9737	NM_001127592	2214	Hs.372679	NM_000569	HPRD:00903
LOX peak 25	chr1	161413004	161413334	Intergenic	CpG	-62036	NM_021642	2212	Hs.352642	NM_021642	HPRD:00906
LOX peak 73	chr11	5933548	59334074	Intergenic	Intergenic	28820	NR_036120	100422880		NR_036120	
LOX peak 22	chr1	161397695	161398042	Intergenic	tRNA-Asn-AAC [tRNA] tRNA	-60195	NM_001013625	257177	Hs.534593	NM_001013625	HPRD:13257
LOX peak 20	chr1	161369330	161369707	Intergenic	CpG	-31845	NM_001013625	257177	Hs.534593	NM_001013625	HPRD:13257
LOX peak 175	chr19	50620830	50621213	promoter-TSS (NR_024228)	promoter-TSS (NR_024228).3	76	NR_024223	100169952	Hs.723094	NR_024223	
LOX peak 67	chr10	69524123	69524507	Intergenic	tRNA-Ser-TCA [tRNA] tRNA	-68366	NM_013266	29119	Hs.21375	NM_013266	HPRD:09639
LOX peak 35	chr1	161435125	161435550	Intergenic	CpG	-39688	NM_021642	2212	Hs.352642	NM_021642	HPRD:00906
LOX peak 83	chr12	125406120	125406496	Intergenic	tRNA-Ala-GCG [tRNA] tRNA	6215	NR_049820	100847004		NR_049820	miRBase:MI0018167
LOX peak 15	chr1	149254020	149294847	Intergenic	tRNA-Gly-GGG [tRNA] tRNA	7223	NR_111934	644634	Hs.723057	NR_111934	
LOX peak 108	chr15	26327211	26327599	Intergenic	tRNA-Gly-GAG [tRNA] tRNA	-33555	NR_038851	503519	Hs.371380	NR_038851	ENSG00000259150
LOX peak 77	chr11	75946393	75947098	Intergenic	CpG	-29171	NM_004626	7481	Hs.108219	NM_004626	HPRD:04741
LOX peak 170	chr19	50600991	50601333	promoter-TSS (NR_024214)	promoter-TSS (NR_024214)	41	NR_024225	100169954	Hs.723094	NR_024225	
LOX peak 174	chr19	50615485	50615850	promoter-TSS (NR_024228)	promoter-TSS (NR_024228).4	78	NR_024226	100169955	Hs.723094	NR_024226	
LOX peak 155	chr17	80452407	80452823	Intergenic	tRNA-Met-i [tRNA] tRNA	-24979	NM_004514	3607	Hs.591140	NM_004514	HPRD:00982
LOX peak 135	chr17	8022954	8023832	TTS (NM_032580)	TTS (NM_032580)	-1159	NM_001165960	59344	Hs.232770	NM_001165960	HPRD:06231
LOX peak 110	chr15	45490985	45490985	intron (NM_138356, intron 2)	tRNA-His-CAY [tRNA] tRNA	2562	NM_138356	90525	Hs.310399	NM_138356	HPRD:14272
LOX peak 112	chr15	45493212	45493596	promoter-TSS (NM_138356)	promoter-TSS (NM_138356)	-31	NM_138356	90525	Hs.310399	NM_138356	HPRD:14272
LOX peak 85	chr12	125424002	125424733	Intergenic	Intergenic	24274	NR_049820	100847004		NR_049820	miRBase:MI0018167
LOX peak 197	chr5	140098379	140098748	promoter-TSS (NR_026704)	promoter-TSS (NR_026704)	52	NR_026704	56663		NR_026704	ENSG00000202111
LOX peak 105	chr14	58706464	58706802	Intergenic	tRNA-Lys-AAG [tRNA] tRNA	-4890	NM_002788	5684	Hs.558799	NM_002788	HPRD:01463
LOX peak 227	chr16	26554202	26554572	Intergenic	tRNA-Ile-ATT [tRNA] tRNA	15815	NM_006353	10473	Hs.236774	NM_006353	
LOX peak 120	chr16	3202775	3203231	Intergenic	Intergenic	17869	NM_001134655	7760	Hs.115284	NM_004220	HPRD:12224
LOX peak 138	chr17	8042008	8042952	Intergenic	Intergenic	5909	NR_106943	102465532		NR_106943	
LOX peak 190	chr3	45730334	45730652	promoter-TSS (NM_014016)	promoter-TSS (NM_014016)	-119	NR_033947	644714	Hs.712889	NR_033947	
LOX peak 40	chr1	161500746	161501163	Intergenic	tRNA-Gly-GGA [tRNA] tRNA	6918	NM_002155	3310			

LOX_peak_88	chr13	45491873	45492251	Intergenic	tRNA-Glu-GAG [tRNA] tRNA	71551	NM_012345	26747	Hs.525006	NM_012345	HPRD-05073
LOX_peak_101	chr14	23398803	23399148	promoter-TSS (NM_00128295)	promoter-TSS (NM_00128295)	157	NR_110002	101926933	Hs.727321	NR_110002	ENS00000257285
LOX_peak_98	chr14	21149756	21150089	Intergenic	Intergenic	-2414	NM_001145	283	Hs.283749	NM_001145	HPRD-00105
LOX_peak_93	chr14	21093402	21093870	Intergenic	Intergenic	16214	NM_001001968	341799	Hs.513132	NM_001001968	HPRD-17779
LOX_peak_220	chr16	26330370	26330732	Intergenic	tRNA-Met-i [tRNA] tRNA	-34841	NM_001197249	11118	Hs.376046	NM_007047	HPRD-12547
LOX_peak_133	chr16	87417458	87417841	promoter-TSS (NM_024735)	promoter-TSS (NM_024735)	-250	NM_024735	79791	Hs.567582	NM_024735	NM_024735
LOX_peak_325	chr5	144537495	14453916	Intergenic	tRNA-Leu-TTA [tRNA] tRNA	66051	NM_003764	8676	Hs.118958	NM_003764	NM_003764
LOX_peak_207	chr5	180615250	180616057	Intergenic	Intergenic	3255	NR_108031	102577426	Hs.277359	NR_108031	NR_108031
LOX_peak_219	chr6	26327722	26328588	Intergenic	Intergenic	-37232	NM_001197249	11118	Hs.376046	NM_007047	HPRD-12547
LOX_peak_70	chr11	59323774	59324128	Intergenic	tRNA-Lys-AAA [tRNA] tRNA	38680	NR_036120	100422880		NR_036120	
LOX_peak_256	chr6	27300613	27300934	Intergenic	tRNA-Met-i [tRNA] tRNA	8233	NR_045612	387316	Hs.326753	NM_032030	
LOX_peak_34	chr1	161432663	161433000	Intergenic	CpG	-42374	NM_021642	2212	Hs.352642	NM_021642	HPRD-00906
LOX_peak_115	chr15	79152828	79153141	Intergenic	Intergenic	-12139	NM_001265603	10933	Hs.374503	NM_006791	NM_006791
LOX_peak_212	chr5	180648828	180649594	TTS (NR_039781)	TTS (NR_039781)	422	NR_039781	100616342		NR_039781	miRBase:MI0017265
LOX_peak_340	chr9	35657639	35658149	promoter-TSS (NM_00119520)	promoter-TSS (NM_00119520)	121	NR_003051	6023	Hs.587502	NR_003051	ENS00000269900
LOX_peak_39	chr1	161499979	161500356	Intergenic	tRNA-Leu-CTG [tRNA] tRNA	6131	NM_002155	3310	Hs.654614	NM_002155	HPRD-00775
LOX_peak_11	chr1	148598184	148598500	intron (NR_104217, intron 2)	tRNA-Asn-AAC [tRNA] tRNA	37495	NM_173638	284565	Hs.523572	NM_173638	HPRD-14710
LOX_peak_231	chr6	26571956	26572281	Intergenic	tRNA-Ala-GCY [tRNA] tRNA	-25053	NM_013375	29777	Hs.254406	NM_013375	HPRD-16469
LOX_peak_142	chr17	8125334	8126367	non-coding (NR_026951, exon 2)	non-coding (NR_026951, exon 2 of 2)	1511	NR_026951	284029	Hs.121692	NM_173621	HPRD-08755
LOX_peak_283	chr6	27721033	27721355	Intergenic	tRNA-Val-GTY [tRNA] tRNA	-8329	NR_038929	100131289	Hs.200573	NR_038929	
LOX_peak_107	chr14	102783290	102783636	promoter-TSS (NM_00126787)	promoter-TSS (NM_00126787)	-251	NM_00126787	55778	Hs.743359	NM_018335	HPRD-18532
LOX_peak_82	chr12	98897900	98898225	promoter-TSS (NR_038383)	promoter-TSS (NR_038383)	-429	NR_038383	643770	Hs.129589	NR_038383	ENS00000245017
LOX_peak_211	chr5	180645101	180645424	Intergenic	Intergenic	4371	NR_039781	100616342		NR_039781	miRBase:MI0017265
LOX_peak_161	chr19	33667851	33668186	Intergenic	CpG	-17581	NM_002333	4037	Hs.515340	NM_002333	
LOX_peak_12	chr1	148760155	148760553	intron (NR_104217, intron 2 of 17)	intron (NR_104217, intron 2 of 17)	-45661	NM_001144032	730262		NM_001144032	
LOX_peak_172	chr19	50607116	50607408	promoter-TSS (NR_024215)	promoter-TSS (NR_024215)	70	NR_024229	100170216	Hs.723094	NR_024229	
LOX_peak_222	chr6	26521371	26521687	promoter-TSS (NR_026790)	promoter-TSS (NR_026790)	-405	NR_026790	493812	Hs.272939	NR_026790	ENS00000228223
LOX_peak_44	chr1	167684569	167684903	Intergenic	tRNA-Pro-CCY [tRNA] tRNA	-6451	NM_024569	9019	Hs.493919	NM_003953	HPRD-05086
LOX_peak_86	chr13	31247938	31248313	Intergenic	tRNA-Val-GTG [tRNA] tRNA	-39487	NM_001204406	241	Hs.507658	NM_001629	HPRD-04742
LOX_peak_16	chr1	149298406	149298713	Intergenic	tRNA-Val-GTG [tRNA] tRNA	11108	NR_111934	644634	Hs.723057	NR_111934	
LOX_peak_314	chr6	28863842	28864225	promoter-TSS (NR_104117)	promoter-TSS (NR_104117)	-274	NR_104117	414760	Hs.211005	NR_104117	
LOX_peak_264	chr6	27487195	27487496	Intergenic	tRNA-Gln-CAG [tRNA] tRNA	-46448	NM_007149	7738	Hs.158174	NM_007149	HPRD-03785
LOX_peak_317	chr6	28912227	28912548	TTS (NR_103538), 5	TTS (NR_103538), 5	826	NR_103538	729583	Hs.453549	NR_103538	
LOX_peak_286	chr6	27870160	27870857	Intergenic	Intergenic	9305	NM_003527	8348	Hs.484991	NM_003527	HPRD-11904
LOX_peak_287	chr6	28180714	28181068	Intergenic	tRNA-Ser-AGY [tRNA] tRNA	5816	NR_029396	222699	Hs.161441	NR_029396	
LOX_peak_318	chr6	28918706	28919029	Intergenic	tRNA-Lys-AAA [tRNA] tRNA	7306	NR_103538	729583	Hs.453549	NR_103538	
LOX_peak_267	chr6	27515395	27515696	Intergenic	tRNA-Gln-CAG [tRNA] tRNA	-74648	NM_007149	7738	Hs.158174	NR_007149	HPRD-03785
LOX_peak_121	chr16	3207206	32071615	Intergenic	tRNA-Lys-AAG [tRNA] tRNA	22276	NM_001134655	7760	Hs.115284	NM_004220	HPRD-12224
LOX_peak_151	chr17	47269758	47270104	Intergenic	CpG	16812	NM_031498	2793	Hs.181781	NM_031498	HPRD-06792
LOX_peak_246	chr6	27144841	27145124	Intergenic	A-rich [Low complexity] Low comp	29577	NR_036096	100422934		NR_036096	miRBase:MI0014167
LOX_peak_336	chr8	67026224	67026635	Intergenic	tRNA-Ala-GCY [tRNA] tRNA	-12849	NM_184087	84675	Hs.85524	NR_033058	HPRD-05927
LOX_peak_206	chr5	180614601	180614982	Intergenic	Intergenic	4117	NR_108031	102577426	Hs.277359	NR_108031	
LOX_peak_226	chr6	26553623	26553971	Intergenic	tRNA-Ala-GCG [tRNA] tRNA	15225	NM_006353	10473	Hs.236774	NM_006353	
LOX_peak_311	chr6	28806407	28806394	Intergenic	Intergenic	25234	NR_033379	401242	Hs.448285	NR_033379	ENS00000225595
LOX_peak_147	chr17	37023795	37024120	Intergenic	tRNA-Cys-TGY [tRNA] tRNA	-2155	NR_073384	3927	Hs.741156	NM_006148	HPRD-04229
LOX_peak_1	chr1	16872289	16872622	Intergenic	tRNA-Gly-GCG [tRNA] tRNA	-2954	NR_037446	100500876		NR_037446	miRBase:MI0016076
LOX_peak_91	chr14	21078194	21078515	Intergenic	tRNA-Leu-CTG [tRNA] tRNA	-19372	NM_001024822	493901	Hs.729466	NM_001024822	HPRD-18667
LOX_peak_259	chr7	27447335	27447703	Intergenic	tRNA-Asp-GAY [tRNA] tRNA	-6622	NM_007149	7738	Hs.158174	NM_007149	HPRD-03785
LOX_peak_331	chr7	149388136	149388441	Intergenic	tRNA-Cys-TGY [tRNA] tRNA	-23814	NM_032534	84626	Hs.299560	NM_032534	HPRD-11167
LOX_peak_158	chr19	3383230	3383811	promoter-TSS (NM_024407)	promoter-TSS (NM_024407)	-363	NM_024407	374291	Hs.211914	NM_024407	
LOX_peak_319	chr6	28920882	28921239	Intergenic	tRNA-Met [tRNA] tRNA	9499	NR_103538	729583	Hs.453549	NR_103538	
LOX_peak_106	chr14	73429566	73429883	Intergenic	tRNA-Cys-TGY [tRNA] tRNA	23940	NM_178441	53349	Hs.335106	NM_021260	HPRD-12017
LOX_peak_47	chr1	222638232	222638540	Intergenic	tRNA-Thr-ACA [tRNA] tRNA	83058	NM_024746	79802	Hs.665660	NM_024746	HPRD-08587
LOX_peak_92	chr14	21081348	21082136	Intergenic	Intergenic	-22760	NM_001024822	493901	Hs.729466	NM_001024822	HPRD-18667
LOX_peak_182	chr2	43037611	43037895	Intergenic	tRNA-Ile-ATA [tRNA] tRNA	-18002	NM_012205	23498	Hs.368805	NM_012205	HPRD-05158
LOX_peak_284	chr6	27759829	27759289	Intergenic	Intergenic	16600	NM_003519	8340	Hs.137594	NM_003519	HPRD-11898
LOX_peak_27	chr1	161417867	161418202	Intergenic	CpG	-57171	NM_021642	2212	Hs.352642	NM_021642	HPRD-00906
LOX_peak_166	chr19	48426920	48427257	promoter-TSS (NR_024227)	promoter-TSS (NR_024227)	52	NR_024229	100170216	Hs.723094	NR_024229	
LOX_peak_66	chr10	22518293	22518623	Intergenic	tRNA-Asn-AAC [tRNA] tRNA	-19546	NM_001199938	340900	Hs.450519	NM_001199938	ENS00000223601
LOX_peak_353	chrX	18692894	18693212	Intergenic	tRNA-Val-GTA [tRNA] tRNA	-2830	NM_000330	6247	Hs.715725	NM_000330	HPRD-02426
LOX_peak_324	chr6	126101251	126101581	promoter-TSS (NM_001199619)	promoter-TSS (NM_001199619)	-891	NM_001199619	135112	Hs.171426	NM_181782	HPRD-14814
LOX_peak_274	chr6	27573301	27573166	Intergenic	tRNA-Leu-TTG [tRNA] tRNA	-88356	NR_038293	100507173	Hs.635987	NR_038293	
LOX_peak_295	chr6	28615865	28616162	Intergenic	tRNA-Thr-ACA [tRNA] tRNA	-60901	NM_052923	114821	Hs.176980	NM_052923	HPRD-11720
LOX_peak_76	chr11	68227341	68227786	promoter-TSS (NM_0011641)	promoter-TSS (NM_0011641)	-578	NM_0011641	55291	Hs.503022	NM_018312	HPRD-10703
LOX_peak_217	chr6	26312716	26313540	Intergenic	Intergenic	-27401	NM_003543	8365	Hs.591790	NM_003543	HPRD-11919
LOX_peak_160	chr19	18392452	18392761	promoter-TSS (NR_036155)	promoter-TSS (NR_036155)	-140	NM_001286968	3727	Hs.2780	NM_005354	HPRD-01304
LOX_peak_136	chr17	8024122	8024450	3' UTR (NM_032580, exon 4 of 4)	3' UTR (NM_032580, exon 4 of 4)	-2052	NM_001165960	59344	Hs.232770	NM_021628	HPRD-06231
LOX_peak_118	chr16	686601	686694	promoter-TSS (NM_032366)	promoter-TSS (NM_032366)	-405	NR_109979	84326	Hs.239500	NM_032366	HPRD-17482
LOX_peak_74	chr11	66115487	66115842	promoter-TSS (NM_006876)	promoter-TSS (NM_006876)	-503	NM_006876	11041	Hs.8526	NM_006876	HPRD-09270
LOX_peak_156	chr19	893388	893737	promoter-TSS (NM_005481)	promoter-TSS (NM_005481)	78	NR_125730	103625684		NR_125730	
LOX_peak_292	chr6	28564994	28565294	Intergenic	tRNA-Ser-AGY [tRNA] tRNA	-10032	NM_052923	114821	Hs.176980	NM_052923	HPRD-11720
LOX_peak_213	chr6	26286641	26286952	Intergenic	tRNA-Met-i [tRNA] tRNA	-1069	NM_003543	8365	Hs.591790	NM_003543	HPRD-11919
LOX_peak_224	chr6	26537607	26537967	promoter-TSS (NM_006353)	promoter-TSS (NM_006353)	-785	NM_006353	10473	Hs.236774	NM_006353	
LOX_peak_144	chr17	19411387	19411720	Intergenic	tRNA-Trp-TGG [tRNA] tRNA	-25614	NM_018242	55244	Hs.232054	NM_018242	HPRD-07703
LOX_peak_281	chr6	27655889	27656243	Intergenic	Intergenic	-5748	NR_038293	100507173	Hs.635987	NR_038293	
LOX_peak_290	chr6	28510733	28511066	Intergenic	tRNA-Arg-CGA [tRNA] tRNA	17110	NM_003996	2880	Hs.248129	NM_001509	HPRD-11941
LOX_peak_178	chr19	50636889	50637203	promoter-TSS (NR_024230)	promoter-TSS (NR_024230)	75	NR_024230	100170217	Hs.723095	NR_024230	
LOX_peak_100	chr14	21152101	21152402	promoter-TSS (NM_001145)	promoter-TSS (NM_001145)	-85	NM_001145	283	Hs.283749	NM_001145	HPRD-00105
LOX_peak_312	chr6	28831349	28831656	promoter-TSS (NR_033379), 3	promoter-TSS (NR_033379), 3	-48	NR_033379	401242	Hs.448285	NR_033379	ENS00000225595
LOX_peak_232	chr6	26577269	26577542	Intergenic	tRNA-Tyr-TAC [tRNA] tRNA	-19766	NM_013375	29777	Hs.254406	NM_013375	HPRD-16469
LOX_peak_271	chr6	27594964	27598914	Intergenic	tRNA-Lys-AAA [tRNA] tRNA	-102175	NR_038293	100507173	Hs.635987	NR_038293	
LOX_peak_316	chr6	28911277	28911576	promoter-TSS (NR_103538), 5	promoter-TSS (NR_103538), 5	-135	NR_103538	729583	Hs.453549	NR_103538	
LOX_peak_310	chr6	28784880	28785195	Intergenic	tRNA-Ala-GCA [tRNA] tRNA	46417	NR_033379	401242	Hs.448285	NR_033379	ENS00000225595
LOX_peak_146	chr17	36907894	36908236	promoter-TSS (NM_002795)	promoter-TSS (NM_002795)	-901	NR_104194	5691	Hs.82793	NM_0027	

LOX_peak_327	chr7	148638446	148638768	Intergenic	HY5 [scRNA] scRNA	-57166	NM_001203248	2146	Hs.444082	NM_004456	HPRD:03342
LOX_peak_321	chr6	28949879	28950209	Intergenic	HRNA-Glu-GAG [tRNA] tRNA	22993	NM_001010877	282890	Hs.148218	NM_001010877	HPRD:18325
LOX_peak_125	chr16	3232516	3232856	Intergenic	HRNA-Pro-CYC [tRNA] tRNA	-21561	NM_012360	4992	Hs.664502	NM_012360	HPRD:09125
LOX_peak_330	chr7	148684127	148684404	Intergenic	HY1 [scRNA] scRNA	41517	NM_004911	9601	Hs.93659	NM_004911	HPRD:06501
LOX_peak_37	chr1	161440057	161440353	Intergenic	CpG	-35000	NM_021642	2212	Hs.352642	NM_021642	HPRD:09096
LOX_peak_266	chr6	27513326	27513686	Intergenic	HRNA-Ser-TCA [tRNA] tRNA	-72609	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
LOX_peak_96	chr14	21121090	21121457	Intergenic	HRNA-Tyr-TAC [tRNA] tRNA	-11423	NM_001001968	341799	Hs.513132	NM_001001968	HPRD:17779
LOX_peak_45	chr1	203429641	203430106	Intergenic	AluSg [SINE] Alu	-15010	NM_002725	5549	Hs.632481	NM_002725	HPRD:03556
LOX_peak_249	chr6	27198079	27198501	Intergenic	Intergenic	-17212	NM_005865	10279	Hs.274407	NM_005865	HPRD:06205
LOX_peak_263	chr6	274373449	274373769	Intergenic	HRNA-Ser-TCA [tRNA] tRNA	-32712	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
LOX_peak_75	chr11	66189118	66189463	Intron (NM_178864, intron 1)	CpG	815	NM_178864	266743	Hs.256036	NM_178864	HPRD:12260
LOX_peak_285	chr6	27763510	27763831	Intergenic	HRNA-Gln-CAA [tRNA] tRNA	12039	NM_003519	8340	Hs.137594	NM_003519	HPRD:11898
LOX_peak_123	chr16	3232574	32325885	Intergenic	HRNA-Lys-AAG [tRNA] tRNA	-28518	NM_012360	4992	Hs.664502	NM_012360	HPRD:09125
LOX_peak_342	chr9	137029461	137029758	promoter-TSS (NR_023344)	promoter-TSS (NR_023344)	77	NR_023344	100151684	Hs.545589	NR_023344	ENSG00000221676
LOX_peak_255	chr6	27265663	27266009	Intergenic	HRNA-Ser-AGY [tRNA] tRNA	14175	NM_033482	94026	Hs.729955	NM_033482	ENSG00000158553
LOX_peak_214	chr6	26305566	26305860	Intergenic	Intergenic	-19986	NM_003543	8365	Hs.591790	NM_003543	HPRD:11919
LOX_peak_157	chr19	1021444	1021751	promoter-TSS (NM_033420)	promoter-TSS (NM_033420)	76	NR_125730	103625684	NR_125730		
LOX_peak_247	chr6	27181529	27181790	Intergenic	HRNA-Arg-CGY [tRNA] tRNA	-33843	NM_005865	10279	Hs.274407	NM_005865	HPRD:06205
LOX_peak_122	chr16	3230768	32309110	Intergenic	CpG	23805	NM_001134655	7760	Hs.115284	NM_004220	HPRD:12224
LOX_peak_204	chr5	180596536	180596813	Intergenic	HRNA-Val-GTY [tRNA] tRNA	14731	NM_206880	285659	Hs.553681	NM_206880	HPRD:14956
LOX_peak_201	chr5	180523967	180524618	Intergenic	Intergenic	28012	NM_001258283	26693	Hs.742585	NM_001258283	ENSG00000185372
LOX_peak_301	chr6	28697012	28697307	Intergenic	HRNA-Ala-GCY [tRNA] tRNA	134295	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
LOX_peak_305	chr6	28757439	28757723	Intergenic	HRNA-Ala-GCA [tRNA] tRNA	73873	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
LOX_peak_257	chr6	27302667	27302927	Intergenic	HRNA-Lys-AAA [tRNA] tRNA	10257	NR_045612	387316	Hs.326753	NM_032030	
LOX_peak_24	chr1	161410538	161410791	Intergenic	CpG	-64541	NM_021642	2212	Hs.352642	NM_021642	HPRD:09096
LOX_peak_68	chr11	5242682	5242766	TTS (NM_000518)	TTS (NM_000518)	1527	NM_000518	3043	Hs.500258	NM_000518	HPRD:00786
LOX_peak_192	chr3	169489951	169490210	promoter-TSS (NR_033703)	promoter-TSS (NR_033703)	-773	NM_018657	55892	Hs.507205	NM_018657	HPRD:06920
LOX_peak_163	chr19	45981672	45982000	Intergenic	Intergenic	10583	NM_006732	2354	Hs.590958	NM_006732	HPRD:01270
LOX_peak_308	chr6	28770407	28770722	Intergenic	Intergenic	60890	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
LOX_peak_242	chr6	27059448	27059723	Intergenic	HRNA-Pro-CCG [tRNA] tRNA	40990	NM_021058	8970	Hs.591807	NM_021058	
LOX_peak_10	chr1	148248044	148248302	intron (NR_102404, intron 6)	HRNA-Asn-AAC [tRNA] tRNA	-45637	NM_001164261	645142	Hs.730589	NM_001164261	ENSG00000256374
LOX_peak_320	chr6	28949326	28949599	Intergenic	HRNA-Phe-TTY [tRNA] tRNA	23575	NM_001010877	282890	Hs.148218	NM_001010877	HPRD:18325
LOX_peak_329	chr7	148680748	148681087	Intergenic	HY3 [scRNA] scRNA	44865	NM_004911	9601	Hs.93659	NM_004911	HPRD:06501
LOX_peak_114	chr15	68132186	68132529	promoter-TSS (NR_125730)	promoter-TSS (NR_125730)	26	NR_125730	103625684	NR_125730		
LOX_peak_117	chr16	22301971	22310010	intron (NM_001258035, intron 1)	MIR [SINE] MIR	1167	NM_001258035	55718	Hs.460298	NM_018119	HPRD:15155
LOX_peak_309	chr6	28775502	28775790	Intergenic	HRNA-Phe-TTY [tRNA] tRNA	55808	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
LOX_peak_254	chr6	27263111	27263441	Intergenic	HRNA-Gln-CAG [tRNA] tRNA	16735	NM_033482	94026	Hs.729955	NM_033482	ENSG00000158553
LOX_peak_299	chr6	28687449	28687734	Intergenic	Intergenic	-132479	NM_052923	114821	Hs.176980	NM_052923	HPRD:11770
LOX_peak_94	chr14	21099174	21099482	Intergenic	HRNA-Thr-ACA [tRNA] tRNA	10522	NM_001001968	341799	Hs.513132	NM_001001968	HPRD:17779
LOX_peak_282	chr6	27688758	27689067	Intergenic	HRNA-Leu-TTA [tRNA] tRNA	27054	NR_038292	100507173	Hs.635987	NR_038292	
LOX_peak_250	chr6	27203192	27203471	Intergenic	HRNA-Val-GTY [tRNA] tRNA	-12171	NM_005865	10279	Hs.274407	NM_005865	HPRD:06205
LOX_peak_239	chr6	26758379	26758694	Intergenic	Intergenic	-98556	NM_001242799	79692	Hs.126280	NM_024639	
LOX_peak_300	chr6	28693713	28694028	Intergenic	Intergenic	137584	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
LOX_peak_270	chr6	27551155	27551428	Intergenic	HRNA-Asp-GAY [tRNA] tRNA	-110374	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
LOX_peak_304	chr6	28715450	28715818	Intergenic	Intergenic	115820	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
LOX_peak_241	chr6	26773652	26773887	Intergenic	Intergenic	-113789	NM_001242799	79692	Hs.126280	NM_024639	
LOX_peak_148	chr17	37025427	37025701	promoter-TSS (NM_006148)	promoter-TSS (NM_006148)	-548	NR_073384	3927	Hs.741156	NM_006148	HPRD:04229
LOX_peak_2	chr1	17004643	17004922	Intergenic	HRNA-Gly-GGG [tRNA] tRNA	-2968	NR_037446	100500876	NR_037446		miRBase:MI0016076
LOX_peak_87	chr13	41634754	41635036	promoter-TSS (NM_007187)	promoter-TSS (NM_007187)	-808	NM_007187	11193	Hs.411300	NM_007187	HPRD:16086
LOX_peak_245	chr6	27130007	27130257	Intergenic	Intergenic	14727	NR_036096	100422934	NR_036096		miRBase:MI0014167
LOX_peak_258	chr6	27446623	27446816	Intergenic	HRNA-Ser-TCY [tRNA] tRNA	-5772	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
LOX_peak_275	chr6	27599153	27599455	Intergenic	Intergenic	-62510	NR_038293	100507173	Hs.635987	NR_038292	
LOX_peak_251	chr6	27205186	27205506	Intergenic	Intergenic	-10156	NM_005865	10279	Hs.274407	NM_005865	HPRD:06205
LOX_peak_103	chr14	50053224	50053692	promoter-TSS (NM_001032)	promoter-TSS (NM_001032)	-324	NM_001030001	6235	Hs.156367	NM_001032	HPRD:04698
LOX_peak_303	chr6	28710589	28710866	Intergenic	Intergenic	120727	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
LOX_peak_261	chr6	27470749	27471023	Intergenic	HRNA-Ser-TCY [tRNA] tRNA	-29989	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
LOX_peak_203	chr5	180591104	180591353	Intergenic	Intergenic	9285	NM_206880	285659	Hs.553681	NM_206880	HPRD:14956
LOX_peak_199	chr5	171730896	171731186	Intergenic	L1MB7 [LINE] L1	-20246	NM_152277	92181	Hs.131570	NM_152277	HPRD:13118
LOX_peak_328	chr7	148660342	148660593	Intergenic	HY4 [scRNA] scRNA	65315	NM_004911	9601	Hs.93659	NM_004911	HPRD:06501
LOX_peak_236	chr6	26728164	26728421	Intergenic	HRNA-Ala-GCY [tRNA] tRNA	-68312	NM_001242799	79692	Hs.126280	NM_024639	
LOX_peak_228	chr6	26555409	26555658	Intergenic	HRNA-Pro-CYC [tRNA] tRNA	16961	NM_006353	10473	Hs.236774	NM_006353	HPRD:09951
LOX_peak_116	chr15	80036948	80037171	Intergenic	HRNA-Cys-TGY [tRNA] tRNA	152280	NR_037654	10588	Hs.194294	NM_006441	
LOX_peak_272	chr6	27560500	27560757	Intergenic	HRNA-Met-1 [tRNA] tRNA	-101186	NR_038293	100507173	Hs.635987	NR_038292	
LOX_peak_288	chr6	28442164	28442513	Intergenic	HRNA-Thr-ACG [tRNA] tRNA	-31059	NM_001012455	222696	Hs.721841	NM_001012455	ENSG00000187987
LOX_peak_260	chr6	27463521	27463818	Intergenic	HRNA-Ser-TCY [tRNA] tRNA	-22772	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
LOX_peak_221	chr6	26331560	26331833	Intergenic	HRNA-Trp-TGG [tRNA] tRNA	-33691	NM_001197249	11118	Hs.376046	NM_007047	HPRD:12547
LOX_peak_294	chr6	28611120	28611433	Intergenic	HRNA-Ala-GCG [tRNA] tRNA	-56164	NM_052923	114821	Hs.176980	NM_052923	HPRD:11720
LOX_peak_293	chr6	28574787	28575094	Intergenic	HRNA-Ala-GCA [tRNA] tRNA	-19828	NM_052923	114821	Hs.176980	NM_052923	HPRD:11720
LOX_peak_3	chr1	45272999	45273224	promoter-TSS (NM_001013632)	promoter-TSS (NM_001013632)	-154	NM_001013632	343521	Hs.585137	NM_001013632	HPRD:15762
LOX_peak_252	chr6	27247968	27248203	Intergenic	HRNA-Val-GTG [tRNA] tRNA	31926	NM_033482	94026	Hs.729955	NM_033482	ENSG00000158553
LOX_peak_306	chr6	28758420	28758650	Intergenic	HRNA-Phe-TTY [tRNA] tRNA	72919	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
LOX_peak_42	chr1	161591400	161591630	Intergenic	HRNA-Asn-AAC [tRNA] tRNA	9322	NM_001271036	2215	Hs.372679	NM_000570	
LOX_peak_235	chr6	26705534	26705786	Intergenic	HRNA-Ala-GCY [tRNA] tRNA	-45680	NM_001242799	79692	Hs.126280	NM_024639	
LOX_peak_238	chr6	26745173	26745413	Intergenic	HRNA-Ile-ATT [tRNA] tRNA	-85313	NM_001242799	79692	Hs.126280	NM_024639	
LOX_peak_124	chr16	3230478	3230723	Intergenic	HRNA-Lys-AAG [tRNA] tRNA	-23647	NM_012360	4992	Hs.664502	NM_012360	HPRD:09125
LOX_peak_216	chr6	26311868	26312106	Intergenic	HRNA-Gln-CAA [tRNA] tRNA	-26260	NM_003543	8365	Hs.591790	NM_003543	HPRD:11919
LOX_peak_248	chr6	27182916	27183122	Intergenic	HRNA-Arg-CGY [tRNA] tRNA	-32483	NM_005865	10279	Hs.274407	NM_005865	HPRD:06205
LOX_peak_18	chr1	149684079	149684316	Intergenic	Intergenic	-70053	NM_000566	2209	Hs.77424	NM_000566	HPRD:09094
LOX_peak_104	chr14	50329179	50329581	Intergenic	7SLRNA [srRNA] srRNA	-9841	NM_004713	9147	Hs.655964	NM_004713	HPRD:08494
LOX_peak_302	chr6	28703112	28703372	Intergenic	HRNA-Ala-GCA [tRNA] tRNA	128212	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
LOX_peak_341	chr9	131102242	131102563	promoter-TSS (NM_005094)	promoter-TSS (NM_005094)	-437	NM_005094	10999	Hs.656699	NM_005094	HPRD:09172
LOX_peak_205	chr5	180600568	180601059	Intergenic	Intergenic	18095	NR_108031	102577426	Hs.277359	NR_108031	
LOX_peak_332	chr8	17325514	17325790	Intergenic	Intergenic	-1945	NM_001008539	6542	Hs.448520	NM_003046	HPRD:03524
LOX_peak_23	chr1	161409861	161410098	Intergenic	HRNA-Gly-GGA [tRNA] tRNA	-65226	NM_021642	2212	Hs.352642	NM_021642	HPRD:09096
LOX_peak_28	chr1	161418609	16								

LOX_peak_200	chr5	173193831	173194050	Intergenic	AluY SINE Alu	-20728	NR_108027	101928136	Hs.449267	NR_108027	
LOX_peak_339	chr8	144536642	144536838	intron (NM_015117, intron 9)	AluY SINE Alu	-24138	NM_201589	389692	Hs.521914	NM_201589	HPRD:14346
LOX_peak_355	chrY	13457125	13457388	Intergenic	(CATT)n Satellite Satellite	1076133	NR_033667	352887	Hs.546221	NR_033667	ENSG00000206159
LOX_peak_185	chr2	133002137	133002405	intron (NR_027020, intron 1)	ALR/Alpha Satellite centr	12382	NR_031608	100313824		NR_031608	miRBase:MI0006336
LOX_peak_323	chr6	61911420	61911706	Intergenic	ALR/Alpha Satellite centr	-372445	NM_001190706	100463487		NM_001190706	ENSG00000255633
LOX_peak_354	chrY	13453432	13453678	Intergenic	(CATT)n Satellite Satellite	1079834	NR_033667	352887	Hs.546221	NR_033667	ENSG00000206159
LOX_peak_194	chr4	49633440	49633710	Intergenic	(GAATG)n Satellite Satellite	644916	NM_001286791	80157	Hs.479703	NM_025087	HPRD:08638
LOX_peak_334	chr8	43096663	43096868	Intergenic	SAR Satellite Satellite	-50820	NM_001002920	340441	Hs.531579	NM_001002920	

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A2780_CH390_inp_peak_160	chr9	35657586	35658085	promoter-TSS (NM	promoter-TSS (NM_001195	180	NR_030051	6023	HS.587502	NR_030051	ENSG00000269900
A2780_CH390_inp_peak_3	chr1	145396642	145397141	intron (NM_001039	intron (NM_001039	-16300	NM_213653	148738	HS.632436	NM_145277	HPRD:10521
A2780_CH390_inp_peak_111	chr21	11058914	11059413	intron (NM_182484	intron (NM_182484	39762	NM_181704	85317	HS.545789	NM_181704	
A2780_CH390_inp_peak_122	chr5	180633651	180634150	Intergenic	Intergenic	-1607	NM_203293	81786	HS.487412	NM_033342	HPRD:11648
A2780_CH390_inp_peak_145	chr6	28805972	28806471	Intergenic	Intergenic	25233	NR_033379	401242	HS.448285	NR_033379	ENSG00000225595
A2780_CH390_inp_peak_117	chr5	180600454	180600953	Intergenic	Intergenic	18205	NR_108031	102577426	HS.277359	NR_108031	
A2780_CH390_inp_peak_35	chr1	228768172	228768671	Intergenic	CpG	-11973	NR_037962	58480	HS.647774	NM_012205	HPRD:06965
A2780_CH390_inp_peak_91	chr17	8125923	8126422	non-coding (NR_026	non-coding (NR_026951	1189	NR_026951	284029	HS.121692	NM_173621	HPRD:08755
A2780_CH390_inp_peak_74	chr15	89878116	89878615	promoter-TSS (NM	promoter-TSS (NM_001126	-339	NM_002693	5428	HS.706868	NM_002693	HPRD:01438
A2780_CH390_inp_peak_62	chr14	21093353	21093852	Intergenic	Intergenic	16248	NM_001001	341799	HS.513132	NM_001001968	HPRD:17779
A2780_CH390_inp_peak_96	chr17	66015793	66016292	Intergenic	Intergenic	-15806	NM_002266	3838	HS.594238	NM_002266	HPRD:02818
A2780_CH390_inp_peak_97	chr17	73029796	73030295	intron (NR_110835	Intergenic	1383	NR_110835	23510	HS.514468	NM_015353	HPRD:17176
A2780_CH390_inp_peak_52	chr11	75946651	75947150	Intergenic	CpG	-29326	NM_004626	7481	HS.108219	NM_004626	HPRD:04741
A2780_CH390_inp_peak_94	chr17	37023722	37024221	Intergenic	Intergenic	-2141	NR_073384	3927	HS.741156	NM_061648	HPRD:04229
A2780_CH390_inp_peak_120	chr5	180615657	180616156	Intergenic	Intergenic	3002	NR_108031	102577426	HS.277359	NR_108031	
A2780_CH390_inp_peak_30	chr1	228754749	228755248	Intergenic	CpG	-25396	NR_037962	58480	HS.647774	NM_012205	HPRD:06965
A2780_CH390_inp_peak_126	chr6	26286529	26287028	Intergenic	Intergenic	-1051	NM_003543	8365	HS.591790	NM_003543	HPRD:11919
A2780_CH390_inp_peak_78	chr16	14379525	14380024	Intergenic	Intergenic	-18050	NR_030177	574455		NR_030177	miRBase:MI0003137
A2780_CH390_inp_peak_89	chr17	8098997	80990486	promoter-TSS (NR_0	promoter-TSS (NR_039746	-27	NR_039746	100616406		NR_039746	
A2780_CH390_inp_peak_151	chr6	126101165	126101664	promoter-TSS (NM	promoter-TSS (NM_001195	-893	NM_001195	135112	HS.171426	NM_181782	HPRD:14814
A2780_CH390_inp_peak_119	chr5	180615218	180615717	Intergenic	Intergenic	3441	NR_108031	102577426	HS.277359	NR_108031	
A2780_CH390_inp_peak_37	chr1	228727613	22873262	Intergenic	CpG	-7532	NR_037962	58480	HS.647774	NM_012205	HPRD:06965
A2780_CH390_inp_peak_156	chr8	67025428	67025927	Intergenic	Intergenic	-13601	NM_184087	84575	HS.85524	NM_033058	HPRD:05927
A2780_CH390_inp_peak_129	chr6	2653320	26533419	Intergenic	Intergenic	-5403	NM_006353	10473	HS.236774	NM_006353	
A2780_CH390_inp_peak_85	chr16	87417377	87417876	promoter-TSS (NM	promoter-TSS (NM_024733	-227	NM_024733	79791	HS.567582	NM_024733	
A2780_CH390_inp_peak_56	chr12	125411666	125412165	Intergenic	Intergenic	11822	NR_049820	100847004		NR_049820	miRBase:MI0018167
A2780_CH390_inp_peak_8	chr1	148754237	148754736	intron (NR_104217	intron (NR_104217	-51529	NM_001144	730262		NM_001144032	
A2780_CH390_inp_peak_164	chrX	61730814	61731313	Intergenic	Intergenic	840155	NM_001012	139886	HS.612782	NM_001012968	HPRD:12556
A2780_CH390_inp_peak_149	chr6	28920807	28921306	Intergenic	Intergenic	9495	NR_103538	729583	HS.453549	NR_103538	
A2780_CH390_inp_peak_154	chr7	61083496	61083995	Intergenic	Intergenic	1680689	NR_003952	643955	HS.583308	NR_003952	ENSG00000185037
A2780_CH390_inp_peak_20	chr1	161500716	161501215	Intergenic	Intergenic	6929	NM_002155	3310	HS.654614	NM_002155	HPRD:00775
A2780_CH390_inp_peak_25	chr1	204475928	204476427	Intergenic	Intergenic	-9330	NM_001278	4194	HS.497492	NM_002393	HPRD:04082
A2780_CH390_inp_peak_146	chr6	28831231	28831730	promoter-TSS (NR	promoter-TSS (NR_033379	-26	NR_033379	401242	HS.448285	NR_033379	ENSG00000225595
A2780_CH390_inp_peak_59	chr13	31247866	31248365	Intergenic	Intergenic	-39500	NM_001204	241	HS.507658	NM_001629	HPRD:04742
A2780_CH390_inp_peak_142	chr6	27758860	27759359	Intergenic	Intergenic	16600	NM_003519	8340	HS.137594	NR_035119	HPRD:11898
A2780_CH390_inp_peak_29	chr1	228752539	228753038	Intergenic	CpG	-27606	NR_037962	58480	HS.647774	NM_012205	HPRD:06965
A2780_CH390_inp_peak_43	chr10	22518243	22518742	Intergenic	Intergenic	-19580	NM_001199	340900	HS.450519	NM_001199938	ENSG00000223601
A2780_CH390_inp_peak_61	chr14	21081717	21082216	Intergenic	Intergenic	-22984	NM_001024	493901	HS.729466	NM_001024822	HPRD:18667
A2780_CH390_inp_peak_51	chr11	59333603	59334102	Intergenic	Intergenic	28779	NR_036120	100422880		NR_036120	
A2780_CH390_inp_peak_137	chr6	27515288	27515787	Intergenic	Intergenic	-74640	NM_007149	7738	HS.158174	NM_007149	HPRD:03785
A2780_CH390_inp_peak_49	chr11	59318270	59318769	Intergenic	Intergenic	36133	NM_001004	390199	HS.553757	NM_001040711	HPRD:17728
A2780_CH390_inp_peak_107	chr2	43037469	43037968	Intergenic	Intergenic	-17967	NM_012205	23498	HS.368805	NM_012205	HPRD:05158
A2780_CH390_inp_peak_124	chr5	180645007	180645506	Intergenic	Intergenic	4377	NR_039781	100616342		NR_039781	miRBase:MI0017265
A2780_CH390_inp_peak_87	chr17	8023425	8023924	TTS (NM_032580)	TTS (NM_032580)	-1440	NM_001165	59344	HS.232770	NM_012628	HPRD:06231
A2780_CH390_inp_peak_57	chr12	125412171	125412670	Intergenic	Intergenic	12327	NR_049820	100847004		NR_049820	miRBase:MI0018167
A2780_CH390_inp_peak_41	chr1	249167854	249168353	Intergenic	Intergenic	-14788	NM_001193	55657	HS.377705	NM_017865	HPRD:07922
A2780_CH390_inp_peak_83	chr16	57333701	57334200	Intergenic	Intergenic	-15366	NM_015993	51090	HS.632215	NM_015993	HPRD:11854
A2780_CH390_inp_peak_76	chr16	3200448	3200997	Intergenic	Intergenic	15613	NM_001134	7760	HS.115284	NM_004220	HPRD:12224
A2780_CH390_inp_peak_7	chr1	148598059	148598558	intron (NR_104217	intron (NR_104217	37461	NR_104217	284565	HS.523572	NR_112638	HPRD:14710
A2780_CH390_inp_peak_79	chr16	22206798	22207297	Intergenic	Intergenic	-10545	NM_013302	29904	HS.498892	NM_013302	
A2780_CH390_inp_peak_39	chr1	228777090	228777589	Intergenic	CpG	-3055	NR_037962	58480	HS.647774	NM_012205	HPRD:06965
A2780_CH390_inp_peak_130	chr6	26537559	26538058	promoter-TSS (NM	promoter-TSS (NM_006353	-764	NM_006353	10473	HS.236774	NM_006353	HPRD:06965
A2780_CH390_inp_peak_26	chr1	228745782	228746281	Intergenic	CpG	-34363	NR_037962	58480	HS.647774	NM_012205	HPRD:06965
A2780_CH390_inp_peak_80	chr16	22308282	22308781	promoter-TSS (NM	promoter-TSS (NM_001258	-165	NM_018119	55718	HS.460298	NM_018119	HPRD:15155
A2780_CH390_inp_peak_55	chr12	125406066	125406565	Intergenic	Intergenic	6222	NR_049820	100847004		NR_049820	miRBase:MI0018167
A2780_CH390_inp_peak_138	chr8	124169214	124169713	Intergenic	Intergenic	-21824	NM_007006	84985	HS.379821	NM_007006	HPRD:17489
A2780_CH390_inp_peak_158	chr6	27550998	27551497	Intergenic	Intergenic	-110350	NM_007149	7738	HS.158174	NR_007149	HPRD:03785
A2780_CH390_inp_peak_17	chr1	161438921	161439420	Intergenic	CpG	-36035	NM_021642	21212	HS.352642	NM_021642	HPRD:00906
A2780_CH390_inp_peak_88	chr17	8042001	8042500	Intergenic	Intergenic	6139	NR_026943	102465532		NR_026943	
A2780_CH390_inp_peak_58	chr12	125424388	125424887	Intergenic	Intergenic	24444	NR_049820	100847004		NR_049820	miRBase:MI0018167
A2780_CH390_inp_peak_102	chr19	4723867	4724366	promoter-TSS (NM	promoter-TSS (NM_139155	-261	NM_139155	91039	HS.515081	NM_139155	HPRD:07001
A2780_CH390_inp_peak_10	chr1	149298308	149298807	Intergenic	Intergenic	11106	NR_111934	644634	HS.723057	NR_111934	
A2780_CH390_inp_peak_15	chr1	161420243	161420742	Intergenic	CpG	-54713	NM_021642	21212	HS.352642	NM_021642	HPRD:00906
A2780_CH390_inp_peak_140	chr6	27570117	27570616	Intergenic	Intergenic	-91448	NR_038293	100507173	HS.635987	NR_038292	
A2780_CH390_inp_peak_132	chr6	26568889	26569388	Intergenic	Intergenic	-28033	NM_013375	29777	HS.254406	NM_013375	HPRD:16469
A2780_CH390_inp_peak_134	chr6	27198045	27198544	Intergenic	Intergenic	-17208	NM_005865	10279	HS.274407	NM_005865	HPRD:06205
A2780_CH390_inp_peak_144	chr6	28180627	28181126	Intergenic	Intergenic	5831	NR_002936	222699	HS.161441	NR_002936	HPRD:05086
A2780_CH390_inp_peak_23	chr1	167683743	167684242	Intergenic	Intergenic	-7195	NR_024569	9019	HS.493919	NM_003393	HPRD:05086
A2780_CH390_inp_peak_71	chr15	45492379	45492878	intron (NM_138356	intron (NM_138356	745	NM_138356	90525	HS.310399	NM_138356	HPRD:14272
A2780_CH390_inp_peak_33	chr1	228761434	228761933	Intergenic	CpG	-18711	NR_037962	58480	HS.647774	NM_012205	HPRD:06965
A2780_CH390_inp_peak_67	chr14	102783237	102783736	promoter-TSS (NM	promoter-TSS (NM_001262	-228	NM_001262	55778	HS.743359	NM_018335	HPRD:18532
A2780_CH390_inp_peak_109	chr2	157257103	157257602	Intergenic	Intergenic	-34613	NM_010883	2820	HS.512382	NM_008408	HPRD:00715
A2780_CH390_inp_peak_65	chr14	50329197	50329696	Intergenic	Intergenic	-9907	NM_004713	9147	HS.655964	NM_004713	HPRD:08494
A2780_CH390_inp_peak_112	chr21	18826807	18827306	Intergenic	Intergenic	15848	NR_037585	100505929	HS.46707	NM_00015521	ENSG00000232560
A2780_CH390_inp_peak_12	chr1	153643510	153644009	promoter-TSS (NM	promoter-TSS (NM_004515	-255	NM_004515	3608	HS.75117	NM_004515	HPRD:04419
A2780_CH390_inp_peak_100	chr18	10223	10722	Intergenic	(CCCTAA)nSimple_repeat	-1603	NR_110795	102723376	HS.606852	NR_110795	</

A2780_CHC390_inp_peak_133	chr6	26766250	26766749	Intergenic	tRNA-Met tRNA tRNA	-106519	NM_001242	79692	Hs.126280	NM_024639	
A2780_CHC390_inp_peak_72	chr15	45493116	45493615	promoter-TSS (NM)	promoter-TSS (NM_138356)	8	NM_138356	90525	Hs.310399	NM_138356	HPRD:14272
A2780_CHC390_inp_peak_108	chr2	89875095	89875594	Intergenic	[GAATG]n Satellite Satellite	763460	NR_039635	100616399		NR_039635	miRBase:MI0016776
A2780_CHC390_inp_peak_121	chr5	180618471	180618970	intron (NR_108031)	CpG-21583	188	NR_108031	102577426	Hs.277359	NR_108031	
A2780_CHC390_inp_peak_153	chr6	157731472	157731971	intron (NM_018452)	intron (NM_018452, intron	13570	NM_018452	729515	Hs.157212	NM_018452	ENSG00000215712
A2780_CHC390_inp_peak_22	chr1	161591257	161591756	Intergenic	tRNA-Asn-AAC tRNA tRNA	9331	NM_001271	2215	Hs.372679	NM_000570	HPRD:09951
A2780_CHC390_inp_peak_42	chr1	249168289	249168788	Intergenic	Intergenic	-15223	NM_001193	55657	Hs.377705	NM_017865	HPRD:07922
A2780_CHC390_inp_peak_54	chr12	98897084	98897583	intron (NR_038383)	tRNA-Asp-GAY tRNA tRNA	300	NR_038383	643770	Hs.129589	NR_038383	ENSG00000245017
A2780_CHC390_inp_peak_159	chr8	142502374	142502873	intron (NR_102363)	intron (NR_102363, intron	14707	NM_207414	389690	Hs.689547	NM_207414	HPRD:13480
A2780_CHC390_inp_peak_32	chr1	228759194	228759693	Intergenic	CpG	-20951	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
A2780_CHC390_inp_peak_106	chr2	27273466	27273965	promoter-TSS (NM)	promoter-TSS (NM_02183)	-583	NR_046730	100874031	Hs.132725	NR_046730	
A2780_CHC390_inp_peak_136	chr6	27487068	27487567	Intergenic	tRNA-Gln-CAG tRNA tRNA	-46420	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
A2780_CHC390_inp_peak_50	chr11	59327612	59328111	Intergenic	tRNA-Lys-AAA tRNA tRNA	34770	NR_036120	100422880		NR_036120	
A2780_CHC390_inp_peak_157	chr8	96281633	96282132	promoter-TSS (NM)	promoter-TSS (NM_177965)	-420	NM_177965	157657	Hs.548157	NM_177965	HPRD:14104
A2780_CHC390_inp_peak_81	chr16	22309615	22310114	intron (NM_001258)	MIR SINE MIR	1168	NM_001258	55718	Hs.460298	NM_018119	HPRD:15155
A2780_CHC390_inp_peak_14	chr1	161412912	161413411	Intergenic	CpG	-62044	NM_021642	2212	Hs.352642	NM_021642	HPRD:00906
A2780_CHC390_inp_peak_73	chr15	79152706	79153205	Intergenic	tRNA-Lys-AAG tRNA tRNA	-12168	NM_001265	10933	Hs.374503	NM_006791	HPRD:09532
A2780_CHC390_inp_peak_16	chr1	161424123	161424622	Intergenic	CpG	-50833	NM_021642	2212	Hs.352642	NM_021642	HPRD:00906
A2780_CHC390_inp_peak_99	chr17	80452381	80452880	Intergenic	tRNA-Met-t tRNA tRNA	-24964	NM_004514	3607	Hs.591140	NM_004514	HPRD:00982
A2780_CHC390_inp_peak_2	chr1	145395290	145395789	intron (NM_001039)	tRNA-Lys-AAG tRNA tRNA	-17652	NM_213653	148738	Hs.632436	NM_145277	HPRD:10521
A2780_CHC390_inp_peak_77	chr16	3202725	32028224	Intergenic	Intergenic	17840	NM_001134	7760	Hs.115284	NM_004220	HPRD:12224
A2780_CHC390_inp_peak_90	chr17	8125325	8125824	intron (NR_026951)	tRNA-Asp-GAY tRNA tRNA	1787	NR_026951	284029	Hs.121692	NM_173621	HPRD:08755
A2780_CHC390_inp_peak_27	chr1	228748015	228748514	Intergenic	CpG	-32130	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
A2780_CHC390_inp_peak_139	chr6	27560370	27560869	Intergenic	tRNA-Met-t tRNA tRNA	-101195	NR_038293	100507173	Hs.635987	NR_038292	
A2780_CHC390_inp_peak_92	chr17	8130052	8130551	non-coding (NR_046431)	non-coding (NR_046431, e	-2940	NR_026951	284029	Hs.121692	NM_173621	HPRD:08755
A2780_CHC390_inp_peak_19	chr1	161499915	161500414	Intergenic	tRNA-Leu-CTG tRNA tRNA	6128	NM_002155	3310	Hs.654614	NM_002155	HPRD:00775
A2780_CHC390_inp_peak_115	chr4	49325292	49325791	Intergenic	ACRO1 Satellite acro	336882	NM_001286	80157	Hs.479703	NM_025087	HPRD:08638
A2780_CHC390_inp_peak_11	chr1	149679981	149680480	Intergenic	tRNA-Gly-GGG tRNA tRNA	-74020	NM_000566	2209	Hs.77424	NM_000566	HPRD:00904
A2780_CHC390_inp_peak_141	chr6	27573239	27573738	Intergenic	tRNA-Leu-TTG tRNA tRNA	-88326	NR_038293	100507173	Hs.635987	NR_038292	
A2780_CHC390_inp_peak_125	chr5	180648756	180649255	TTS (NR_039781)	TTS (NR_039781)	628	NR_039781	100616342		NR_039781	miRBase:MI0017265
A2780_CHC390_inp_peak_28	chr1	228750289	228750788	Intergenic	CpG	-29856	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
A2780_CHC390_inp_peak_113	chr3	45730280	45730779	promoter-TSS (NM)	promoter-TSS (NM_014016)	-155	NR_033947	644714	Hs.712889	NR_033947	
A2780_CHC390_inp_peak_13	chr1	161397648	161398147	Intergenic	tRNA-Asn-AAC tRNA tRNA	-60224	NM_0010134	257177	Hs.534593	NM_001013625	HPRD:13257

Supplementary Table 4

PeakID (cmd=annotatePeaks.pl HCT_CHC388	Chr	Start	End	Annotation	Detailed Annotation	Distance to TSS	Nearest PromoterID	Entrez ID	Nearest Unigene	Nearest Refseq	Nearest Ensembl
HCT_CHC388_inpeak_40	chr19	7515614	7516113	intron (NM_001130955, intron 5 of 19)	intron (NM_001130955, intron 5 of 19)	11289	NM_001130955	23370	Hs.465761	NM_015318	HPRD:12479
HCT_CHC388_inpeak_11	chr1	161438942	161439441	Intergenic	CpG	-36014	NM_021642	22122	Hs.352642	NM_021642	HPRD:00906
HCT_CHC388_inpeak_53	chr6	28918606	28919105	Intergenic	IRNA-Lys-AAA [RNA] RNA	7294	NR_023538	729583	Hs.453549	NR_103538	
HCT_CHC388_inpeak_49	chr6	26532914	26533413	Intergenic	IRNA-Thr-ACY [RNA] RNA	-5409	NM_006353	10473	Hs.236774	NM_006353	
HCT_CHC388_inpeak_39	chr17	66015773	66016272	Intergenic	IRNA-Arg-AGG [RNA] RNA	-15826	NM_002266	3838	Hs.594238	NM_002266	HPRD:02818
HCT_CHC388_inpeak_50	chr6	26745032	26745531	Intergenic	IRNA-Ile-ATT [RNA] RNA	-85301	NM_001242799	79692	Hs.126280	NM_024639	
HCT_CHC388_inpeak_47	chr5	180649167	180649666	promoter-TSS (NM_201627)	promoter-TSS (NM_201627)	217	NR_039781	100616342	NR_039781	miRBase:MI0017265	
HCT_CHC388_inpeak_24	chr11	66188984	66189483	intron (NM_178864, intron 1 of 7)	CpG	758	NM_178864	266743	Hs.256036	NM_178864	HPRD:12260
HCT_CHC388_inpeak_32	chr16	22308271	22308770	promoter-TSS (NM_001258034)	promoter-TSS (NM_001258034)	-176	NM_018119	55718	Hs.460298	NM_018119	HPRD:15155
HCT_CHC388_inpeak_17	chr10	22518192	22518691	Intergenic	IRNA-Asn-AAC [RNA] RNA	-19529	NM_001199938	340900	Hs.450519	NM_001199938	ENSG00000223601
HCT_CHC388_inpeak_4	chr1	145395302	145395801	intron (NM_001039703, intron 68 of 8)	IRNA-Lys-AAG [RNA] RNA	-17640	NM_213653	148738	Hs.632436	NM_145277	HPRD:10521
HCT_CHC388_inpeak_8	chr1	161424142	161424641	Intergenic	CpG	-50814	NM_021642	2212	Hs.352642	NM_021642	HPRD:00906
HCT_CHC388_inpeak_51	chr6	27300489	27300988	Intergenic	Intergenic	8198	NR_045612	387316	Hs.326753	NM_032030	
HCT_CHC388_inpeak_12	chr1	204475438	204475937	Intergenic	IRNA-Lys-AAA [RNA] RNA	-9820	NM_001278518	4194	Hs.497492	NM_02393	HPRD:04082
HCT_CHC388_inpeak_2	chr1	16872192	16872691	Intergenic	IRNA-Gly-GGG [RNA] RNA	-2968	NR_037446	100500876	NR_037446	miRBase:MI0016076	
HCT_CHC388_inpeak_29	chr15	454928360	454928799	intron (NM_138356, intron 1 of 7)	IRNA-His-CAY [RNA] RNA	744	NM_138356	90525	Hs.310399	NR_138356	HPRD:14272
HCT_CHC388_inpeak_52	chr6	28715402	28715901	Intergenic	MER1A [DNA] hAT-Charlie	115803	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
HCT_CHC388_inpeak_30	chr16	3202718	3203217	Intergenic	IRNA-Arg-AGG [RNA] RNA	17833	NM_001134655	7760	Hs.115284	NM_004220	HPRD:12224
HCT_CHC388_inpeak_36	chr17	8023385	8023884	TTS (NM_032580)	TTS (NM_032580)	-1400	NM_001165960	59344	Hs.232770	NM_021628	HPRD:06231
HCT_CHC388_inpeak_61	chrLin_g1000	102219	102719	NA	BSR/Beta [Satellite] Satellite	NA	NA				
HCT_CHC388_inpeak_57	chr9	35657610	35658109	promoter-TSS (NM_001195201)	promoter-TSS (NM_001195201)	156	NR_003051	6023	Hs.587502	NR_003051	ENSG00000269900
HCT_CHC388_inpeak_48	chr6	26521220	26521719	promoter-TSS (NR_026790)	promoter-TSS (NR_026790)	-465	NR_026790	493812	Hs.272939	NR_026790	ENSG00000228223
HCT_CHC388_inpeak_3	chr1	94312926	94313425	promoter-TSS (NM_001261408)	promoter-TSS (NM_001261408)	-469	NM_001261408	8412	Hs.36958	NR_003567	HPRD:05268
HCT_CHC388_inpeak_14	chr1	228752529	228753028	Intergenic	CpG	-27616	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
HCT_CHC388_inpeak_9	chr1	161427668	161428167	Intergenic	CpG	-47288	NM_021642	2212	Hs.352642	NM_021642	HPRD:00906
HCT_CHC388_inpeak_16	chr1	249167837	249168336	Intergenic	IRNA-Leu-TTG [RNA] RNA	-14771	NM_001193328	55657	Hs.377705	NM_017865	HPRD:07922
HCT_CHC388_inpeak_25	chr12	125424288	125424787	Intergenic	IRNA-Ala-GCG [RNA] RNA	24444	NR_049820	10087004	NR_049820	miRBase:MI0018167	
HCT_CHC388_inpeak_35	chr16	57333654	57334153	Intergenic	IRNA-Leu-CTG [RNA] RNA	-15319	NM_015993	51090	Hs.632215	NM_015993	HPRD:11854
HCT_CHC388_inpeak_45	chr5	180618493	180618992	non-coding (NR_108031, exon 1 of 2)	non-coding (NR_108031, exon 1 of 2)	166	NR_108031	102577426	Hs.277359	NR_108031	
HCT_CHC388_inpeak_42	chr20	26318197	26318696	Intergenic	ALR/Alpha [Satellite] cent	-128577	NR_040095	284801	Hs.370699	NR_040095	ENSG00000227195
HCT_CHC388_inpeak_55	chr7	149388036	149388535	Intergenic	IRNA-Cys-TGY [RNA] RNA	-23817	NM_032534	84626	Hs.299560	NM_032534	HPRD:11167
HCT_CHC388_inpeak_38	chr17	29870950	29871449	Intergenic	CpG	-9816	NR_029710	406968	NR_029710	miRBase:MI0000487	
HCT_CHC388_inpeak_10	chr1	161431537	161432036	Intergenic	CpG	-43419	NM_021642	2212	Hs.352642	NM_021642	HPRD:00906
HCT_CHC388_inpeak_46	chr5	180645066	180645565	Intergenic	IRNA-Val-GTY [RNA] RNA	4318	NR_039781	100616342	NR_039781	miRBase:MI0017265	
HCT_CHC388_inpeak_15	chr1	228781620	228782119	intron (NR_037962, intron 1 of 2)	CpG-2319	1212	NR_002834	574029	Hs.647777	NR_002834	
HCT_CHC388_inpeak_6	chr1	15364354	153644033	promoter-TSS (NM_004515)	promoter-TSS (NM_004515)	-279	NM_004515	3608	Hs.75117	NM_004515	HPRD:04419
HCT_CHC388_inpeak_54	chr6	52860267	52860766	promoter-TSS (NM_001512)	promoter-TSS (NM_001512)	-338	NM_001512	2941	Hs.485557	NM_001512	HPRD:06899
HCT_CHC388_inpeak_7	chr1	161416766	161417265	Intergenic	CpG	-58190	NM_021642	2212	Hs.352642	NM_021642	HPRD:00906
HCT_CHC388_inpeak_27	chr14	21078094	21078593	Intergenic	IRNA-Leu-CTY [RNA] RNA	-19361	NM_001024822	493901	Hs.729466	NM_001024822	HPRD:18667
HCT_CHC388_inpeak_5	chr1	145397597	145398096	intron (NM_001039703, intron 68 of 8)	intron (NM_001039703, intron 68 of 8)	-15345	NM_213653	148738	Hs.632436	NM_145277	HPRD:10521
HCT_CHC388_inpeak_28	chr14	50053071	50053570	promoter-TSS (NM_001032)	promoter-TSS (NM_001032)	-186	NM_001030001	6235	Hs.156367	NM_001032	HPRD:04698
HCT_CHC388_inpeak_23	chr11	66115327	66115826	promoter-TSS (NM_006876)	promoter-TSS (NM_006876)	-415	NM_006876	11041	Hs.8526	NM_006876	HPRD:09270
HCT_CHC388_inpeak_31	chr16	14379536	14380035	Intergenic	IRNA-Thr-ACG [RNA] RNA	-18039	NR_030177	574455	NR_030177	miRBase:MI0003137	
HCT_CHC388_inpeak_26	chr13	45491839	45492338	Intergenic	IRNA-Glu-GAG [RNA] RNA	71525	NM_012345	26747	Hs.525006	NM_012345	HPRD:05073
HCT_CHC388_inpeak_13	chr1	204476034	204476533	Intergenic	Intergenic	-9224	NM_001278518	4194	Hs.497492	NM_02393	HPRD:04082
HCT_CHC388_inpeak_37	chr17	8089963	8090462	promoter-TSS (NR_039746)	promoter-TSS (NR_039746)	-51	NR_039746	100616406	NR_039746		

Supplementary Table 5

PeakID (cmd=annotatePeaks.pl/hon)	Chr	Start	End	Annotation	Detailed Annotation	Distance to TSS	Nearest Prom	Entrez ID	Nearest Unigene	Nearest Refseq	Nearest Ensembl
P493_merge_peak_36	chr1	153643516	153644058	promoter-TSS (NM_004515)	promoter-TSS (NM_004515)	-283	NM_004515	3608	Hs.75117	NM_004515	HPRD:04419
P493_merge_peak_128	chr13	45491842	45492323	Intergenic	tRNA-Glu-GAG [tRNA] tRNA	71531	NM_012345	26747	Hs.525006	NM_012345	HPRD:05073
P493_merge_peak_227	chr19	33665974	33668293	Intergenic	CpG	-17656	NM_002333	4037	Hs.515340	NM_002333	
P493_merge_peak_158	chr15	79152805	79153201	Intergenic	Intergenic	-12120	NM_001265	10933	Hs.374503	NM_006791	HPRD:09532
P493_merge_peak_296	chr5	180633689	180634170	Intergenic	tRNA-Ala-GCG [tRNA] tRNA	-1636	NM_203293	81786	Hs.487412	NM_003342	HPRD:11648
P493_merge_peak_122	chr12	125411645	125412634	Intergenic	Intergenic	12046	NR_049820	100847004	NR_049820	miRBase:MI0018167	
P493_merge_peak_253	chr2	43037528	43038032	Intergenic	Intergenic	-18029	NM_012205	23498	Hs.368805	NM_012205	HPRD:05158
P493_merge_peak_181	chr16	57333716	57334658	Intergenic	Alu[SINE] Alu	-15603	NM_015993	51090	Hs.632215	NM_015993	HPRD:11854
P493_merge_peak_149	chr14	102783224	102783719	promoter-TSS (NM_004515)	promoter-TSS (NM_001267827)	-243	NM_001267	55778	Hs.743359	NM_018335	HPRD:18532
P493_merge_peak_205	chr17	37310518	37310974	Intergenic	tRNA-Cys-TGY [tRNA] tRNA	-2844	NM_020405	57125	Hs.125036	NM_020405	HPRD:08439
P493_merge_peak_152	chr15	40885853	40886292	promoter-TSS (NM_144508)	promoter-TSS (NM_144508)	-375	NM_170589	57082	Hs.181855	NM_144508	HPRD:10634
P493_merge_peak_178	chr16	22206816	22207265	Intergenic	tRNA-Leu-CTA [tRNA] tRNA	-10552	NM_013302	29904	Hs.498892	NM_013302	
P493_merge_peak_143	chr14	23398734	23399232	promoter-TSS (NM_001282953)	promoter-TSS (NM_001282953)	165	NR_110002	101926933	Hs.727321	NR_110002	ENSG00000257285
P493_merge_peak_245	chr19	50626161	50626629	promoter-TSS (NR_024228.2)	promoter-TSS (NR_024228.2)	56	NR_024225	100169954	Hs.723094	NR_024225	
P493_merge_peak_334	chr6	27144750	27145223	Intergenic	Intergenic	29581	NR_036096	100422934	NR_036096	miRBase:MI0014167	
P493_merge_peak_390	chr6	28625795	28626259	Intergenic	tRNA-Ala-GCY [tRNA] tRNA	-70915	NM_052923	114821	Hs.176980	NM_052923	HPRD:11720
P493_merge_peak_445	chr8	96281657	96282148	promoter-TSS (NM_177965)	promoter-TSS (NM_177965)	-440	NM_177965	157657	Hs.548157	NM_177965	HPRD:14104
P493_merge_peak_192	chr17	8089532	8091351	TTS (NR_039746)	TTS (NR_039746)	178	NR_039746	100616406	NR_039746	NR_039746	
P493_merge_peak_238	chr19	50595588	50596020	promoter-TSS (NR_024214.2)	promoter-TSS (NR_024214.2)	62	NR_024225	100169954	Hs.723094	NR_024225	
P493_merge_peak_255	chr2	70475812	70476361	promoter-TSS (NM_020307)	promoter-TSS (NM_020307)	-307	NM_021773	7072	Hs.413123	NM_022037	HPRD:04626
P493_merge_peak_88	chr1	24916870	24916879	Intergenic	Intergenic	-15015	NM_001193	55657	Hs.377705	NM_017865	HPRD:07922
P493_merge_peak_96	chr10	69524083	69524533	Intergenic	tRNA-Ser-TCA [tRNA] tRNA	-68359	NM_013266	29119	Hs.21375	NM_013266	HPRD:09639
P493_merge_peak_252	chr2	27273489	27274377	promoter-TSS (NM_021831)	promoter-TSS (NM_021831)	-558	NM_021831	60509	Hs.138207	NM_021831	HPRD:07968
P493_merge_peak_16	chr1	94312957	94313421	promoter-TSS (NM_001261408)	promoter-TSS (NM_001261408)	-483	NM_0012614	8412	Hs.36958	NM_003567	HPRD:05268
P493_merge_peak_31	chr1	14929441	149294893	Intergenic	Intergenic	7166	NR_111934	646634	Hs.723057	NR_111934	
P493_merge_peak_295	chr5	180618442	180618938	intron (NR_108031, intron 1)	CpG-21583	218	NR_108031	102577426	Hs.727035	NR_108031	
P493_merge_peak_206	chr17	47269734	47270203	Intergenic	CpG	16775	NM_031498	2793	Hs.181781	NR_031498	HPRD:06792
P493_merge_peak_410	chr6	28908659	28909635	Intergenic	Intergenic	-2414	NR_103538	729583	Hs.453549	NR_103538	
P493_merge_peak_270	chr3	45730186	45730748	promoter-TSS (NM_014016)	promoter-TSS (NM_014016)	-93	NR_039474	644714	Hs.712889	NR_039474	
P493_merge_peak_161	chr16	686506	686991	promoter-TSS (NM_032366)	promoter-TSS (NM_032366)	-382	NR_109979	84326	Hs.239500	NM_032366	HPRD:17482
P493_merge_peak_362	chr6	27560355	27560848	Intergenic	tRNA-Met-[tRNA] tRNA	-101213	NR_038293	100507173	Hs.635987	NR_038292	
P493_merge_peak_413	chr6	28918671	28919089	Intergenic	Intergenic	7319	NR_103538	729583	Hs.453549	NR_103538	
P493_merge_peak_104	chr11	59333602	59334077	Intergenic	Intergenic	28792	NR_036120	100422880	NR_036120		
P493_merge_peak_108	chr11	66115422	66115915	promoter-TSS (NM_006876)	promoter-TSS (NM_006876)	-507	NM_006876	11041	Hs.8526	NM_006876	HPRD:09270
P493_merge_peak_103	chr11	59327622	59328058	Intergenic	tRNA-Lys-AAA [tRNA] tRNA	34791	NR_036120	100422880	NR_036120		
P493_merge_peak_220	chr19	1383100	1383892	promoter-TSS (NM_024407)	promoter-TSS (NM_024407)	-387	NM_024407	374291	Hs.211914	NM_024407	
P493_merge_peak_76	chr1	228757006	228757419	Intergenic	CpG	-23182	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
P493_merge_peak_318	chr6	26568936	26569357	Intergenic	tRNA-Tyr-TAC [tRNA] tRNA	-28025	NM_013375	29777	Hs.254406	NM_013375	HPRD:16469
P493_merge_peak_162	chr16	3200499	3200991	Intergenic	tRNA-Arg-CGG [tRNA] tRNA	15611	NM_001134	7760	Hs.115284	NM_004220	HPRD:12224
P493_merge_peak_61	chr1	161499935	161500380	Intergenic	tRNA-Leu-CTG [tRNA] tRNA	6121	NM_002155	3310	Hs.654614	NM_002155	HPRD:00775
P493_merge_peak_154	chr15	45492379	45492864	intron (NM_138356, intron 1)	tRNA-His-CAY [tRNA] tRNA	752	NM_138356	90525	Hs.310399	NM_138356	HPRD:14272
P493_merge_peak_132	chr14	21078119	21078581	Intergenic	tRNA-Leu-CTY [tRNA] tRNA	-19368	NM_001024	493901	Hs.729466	NM_001024822	HPRD:18667
P493_merge_peak_52	chr1	161424116	161424862	Intergenic	CpG	-50716	NM_021642	2212	Hs.352642	NM_021642	HPRD:09096
P493_merge_peak_129	chr13	95201718	95202162	Intergenic	CpG	46576	NM_014305	23483	Hs.12393	NM_014305	HPRD:15494
P493_merge_peak_409	chr6	28863777	28864288	promoter-TSS (NR_104117)	promoter-TSS (NR_104117)	-270	NR_104117	414760	Hs.211005	NR_104117	
P493_merge_peak_179	chr16	14379592	14380243	Intergenic	Intergenic	-17907	NR_030177	574455	NR_030177	miRBase:MI0003137	
P493_merge_peak_214	chr17	80452246	80452841	Intergenic	Intergenic	-25051	NM_004514	3607	Hs.591140	NM_004514	HPRD:00982
P493_merge_peak_160	chr15	89878116	89878669	promoter-TSS (NM_001126131)	promoter-TSS (NM_001126131)	-366	NM_002693	5428	Hs.706868	NM_002693	HPRD:01438
P493_merge_peak_117	chr12	98897127	98897556	intron (NR_038383, intron 1)	tRNA-Asp-GAY [tRNA] tRNA	292	NR_038383	643770	Hs.129589	NR_038383	ENSG00000245017
P493_merge_peak_19	chr1	145396654	145397116	intron (NM_00103970, intron 1)	tRNA-His-CAY [tRNA] tRNA	-16306	NM_213653	148738	Hs.632436	NM_145277	HPRD:10521
P493_merge_peak_259	chr2	157257086	157257886	Intergenic	Intergenic	-34479	NM_001083	2820	Hs.512382	NM_004048	HPRD:00715
P493_merge_peak_100	chr11	59317867	59319478	Intergenic	Intergenic	36286	NM_001004	390199	Hs.553757	NM_001004711	HPRD:17728
P493_merge_peak_391	chr6	28641392	28641847	Intergenic	tRNA-Ala-GCG [tRNA] tRNA	-86507	NM_052923	114821	Hs.176980	NM_052923	HPRD:11720
P493_merge_peak_83	chr1	228772627	228773107	Intergenic	CpG	-7527	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
P493_merge_peak_414	chr6	28920851	28921268	Intergenic	tRNA-Met-[tRNA] tRNA	9498	NR_103538	729583	Hs.453549	NR_103538	
P493_merge_peak_312	chr6	26532919	26533401	Intergenic	tRNA-Thr-ACY [tRNA] tRNA	-5412	NM_006353	10473	Hs.236774	NM_006353	
P493_merge_peak_153	chr15	45490584	45491050	intron (NM_138356, intron 1)	tRNA-His-CAY [tRNA] tRNA	2556	NM_138356	90525	Hs.310399	NR_138356	HPRD:14272
P493_merge_peak_294	chr5	180614517	180616117	Intergenic	Alu[SINE] Alu	3591	NR_108031	102577426	Hs.277359	NR_108031	
P493_merge_peak_246	chr19	50631492	50631927	promoter-TSS (NR_024228)	promoter-TSS (NR_024228)	70	NR_024223	100169952	Hs.723094	NR_024223	
P493_merge_peak_124	chr13	31247894	31248372	Intergenic	tRNA-Asn-AAC [tRNA] tRNA	-39482	NM_001204	241	Hs.507658	NM_001629	HPRD:04742
P493_merge_peak_443	chr8	67025446	67025914	Intergenic	tRNA-Tyr-TAC [tRNA] tRNA	-13598	NR_184087	84675	Hs.85524	NR_033058	HPRD:05927
P493_merge_peak_375	chr6	27720493	27721436	Intergenic	tRNA-Val-CTY [tRNA] tRNA	-8334	NR_038929	100131289	Hs.200573	NR_038929	
P493_merge_peak_111	chr11	68227328	68227866	promoter-TSS (NM_001164164)	promoter-TSS (NM_001164164)	-589	NM_001164	55291	Hs.503022	NM_018312	HPRD:10703
P493_merge_peak_242	chr19	50610105	50610538	promoter-TSS (NR_024228.5)	promoter-TSS (NR_024228.5)	70	NR_024226	100169955	Hs.723094	NR_024226	
P493_merge_peak_286	chr5	140090696	140091147	promoter-TSS (NR_026703)	promoter-TSS (NR_026703)	60	NR_026703	56664	NR_026703	ENSG00000199990	
P493_merge_peak_243	chr19	50615457	50615898	promoter-TSS (NR_024228.4)	promoter-TSS (NR_024228.4)	68	NR_024226	100169955	Hs.723094	NR_024226	
P493_merge_peak_44	chr1	161397665	161398116	Intergenic	tRNA-Asn-AAC [tRNA] tRNA	-60218	NM_0010134	257177	Hs.534593	NM_001013625	HPRD:13257
P493_merge_peak_33	chr1	149679945	149680458	Intergenic	Intergenic	-74049	NM_000566	2209	Hs.77424	NM_000566	HPRD:09094
P493_merge_peak_112	chr11	75946334	75947130	Intergenic	CpG	-29183	NM_004626	7481	Hs.108219	NM_004626	HPRD:04741
P493_merge_peak_241	chr19	50607030	50607501	promoter-TSS (NR_024215.5)	promoter-TSS (NR_024215.5)	67	NR_024229	100170216	Hs.723094	NR_024229	
P493_merge_peak_91	chr10	22518178	22518681	Intergenic	Intergenic	-19517	NM_001199	340900	Hs.450519	NM_001199938	ENSG00000223601
P493_merge_peak_20	chr1	145397664	145398125	intron (NM_00103970, intron 1)	tRNA-Gly-GGA [tRNA] tRNA	-15297	NM_213653	148738	Hs.632436	NM_145277	HPRD:10521
P493_merge_peak_211	chr17	73031038	73031509	intron (NR_110835, intron 1)	tRNA-Arg-CGG [tRNA] tRNA	2611	NR_110835	23510	Hs.514468	NM_015353	HPRD:17176
P493_merge_peak_63	chr1	161509844	161510286	Intergenic	tRNA-Asn-AAC [tRNA] tRNA	9753	NM_001127	2214	Hs.372679	NM_000569	HPRD:09093
P493_merge_peak_368	chr6	27632414	27633708	Intergenic	Intergenic	-25353	NR_038293				

P493_merge_peak_189	chr17	8022293	8024526	TTS (NM_032580)	TTS (NM_032580)	-1175	NM_001165	5934	Hs.232770	NM_021628	HPRD:06231
P493_merge_peak_49	chr1	16141779	16141828	Intergenic	CpG	-57197	NM_021642	2212	Hs.352642	NM_021642	HPRD:09006
P493_merge_peak_48	chr1	161416742	161417489	Intergenic	CpG	-58090	NM_021642	2212	Hs.352642	NM_021642	HPRD:09006
P493_merge_peak_118	chr12	98897824	98898288	promoter-TSS (NR_038383)	promoter-TSS (NR_038383)	-423	NR_038383	643770	Hs.129589	NM_038383	ENSG00000245017
P493_merge_peak_357	chr6	27515335	27515741	Intergenic	tRNA-Gln-CAG [tRNA] tRNA	-74641	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
P493_merge_peak_348	chr6	27446438	27446898	Intergenic	tRNA-Ser-TCY [tRNA] tRNA	-5771	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
P493_merge_peak_191	chr17	8042022	8042982	Intergenic	Intergenic	5887	NM_106943	102465532		NM_106943	
P493_merge_peak_204	chr17	37309781	37310235	Intergenic	tRNA-Cys-TGY [tRNA] tRNA	-2106	NM_020405	57125	Hs.125036	NM_020405	HPRD:08439
P493_merge_peak_55	chr1	161431541	161432287	Intergenic	CpG	-43291	NM_021642	2212	Hs.352642	NM_021642	HPRD:09006
P493_merge_peak_394	chr6	28696959	28697369	Intergenic	Intergenic	134290	NM_033379	401242	Hs.448285	NR_033379	ENSG00000225595
P493_merge_peak_297	chr5	180634598	180635047	Intergenic	tRNA-Lys-AAG [tRNA] tRNA	-2529	NM_203293	81786	Hs.487412	NM_033342	HPRD:11648
P493_merge_peak_42	chr1	161369308	161369747	Intergenic	CpG	-31854	NM_0010134	257177	Hs.534593	NM_001013625	HPRD:13257
P493_merge_peak_18	chr1	145395328	145395759	intron (NM_00103970)	tRNA-Lys-AAG [tRNA] tRNA	-17648	NM_213653	148738	Hs.632436	NM_145277	HPRD:10521
P493_merge_peak_239	chr19	50600898	50601373	promoter-TSS (NR_024214)	promoter-TSS (NR_024214)	68	NR_024225	10016954	Hs.723094	NR_024225	
P493_merge_peak_186	chr16	87417443	87417852	promoter-TSS (NM_024735)	promoter-TSS (NM_024735)	-248	NM_024735	79791	Hs.567582	NM_024735	
P493_merge_peak_123	chr12	125423905	125424854	Intergenic	Intergenic	24286	NR_049820	100847004		NR_049820	miRBase:MI0018167
P493_merge_peak_156	chr15	66161201	66161635	promoter-TSS (NM_004663)	promoter-TSS (NM_004663)	-379	NM_001206	8766	Hs.321541	NM_004663	HPRD:05715
P493_merge_peak_219	chr19	1021423	1021988	promoter-TSS (NM_033420)	promoter-TSS (NM_033420)	184	NR_125730	103625684		NR_125730	
P493_merge_peak_379	chr6	27870120	27870937	Intergenic	Intergenic	9325	NM_003527	8348	Hs.484991	NM_003527	HPRD:11904
P493_merge_peak_417	chr6	126101209	126101618	promoter-TSS (NM_001199619)	promoter-TSS (NM_001199619)	-894	NM_001199	135112	Hs.171426	NM_001199	HPRD:14814
P493_merge_peak_163	chr16	3202760	3203219	Intergenic	Intergenic	17855	NM_001134	7760	Hs.115284	NM_004220	HPRD:12224
P493_merge_peak_77	chr1	228759202	228759635	Intergenic	CpG	-20976	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
P493_merge_peak_309	chr6	26330333	26330768	Intergenic	tRNA-Met-i [tRNA] tRNA	-34837	NM_001197	11118	Hs.376046	NM_007047	HPRD:12547
P493_merge_peak_194	chr17	8124711	8125114	intron (NR_026951)	intron (NR_026951)	2449	NR_026951	284029	Hs.121692	NM_0173621	HPRD:08755
P493_merge_peak_165	chr16	3208738	3209152	Intergenic	CpG	23811	NM_001134	7760	Hs.115284	NM_004220	HPRD:12224
P493_merge_peak_151	chr15	26327193	26327616	Intergenic	tRNA-Glu-GAG [tRNA] tRNA	-33556	NR_038851	503519	Hs.371380	NR_038851	ENSG00000259150
P493_merge_peak_60	chr1	161493417	161493919	promoter-TSS (NM_002155)	promoter-TSS (NM_002155)	-368	NM_002155	3310	Hs.654614	NM_002155	HPRD:00775
P493_merge_peak_244	chr19	50620805	50621248	promoter-TSS (NR_024228)	promoter-TSS (NR_024228)	71	NR_024223	10016952	Hs.723094	NR_024223	
P493_merge_peak_234	chr19	48426899	48427277	promoter-TSS (NR_024227)	promoter-TSS (NR_024227)	52	NR_024229	100170216	Hs.723094	NR_024229	
P493_merge_peak_298	chr5	180645012	180645507	Intergenic	Intergenic	4374	NR_039781	100616342		NR_039781	miRBase:MI0017265
P493_merge_peak_136	chr14	21099136	21099528	Intergenic	tRNA-Thr-ACA [tRNA] tRNA	10518	NM_001001	341799	Hs.513132	NM_00101968	HPRD:17779
P493_merge_peak_378	chr6	27763457	27763891	Intergenic	tRNA-Gln-CAG [tRNA] tRNA	12035	NM_003519	8340	Hs.137594	NM_003519	HPRD:11898
P493_merge_peak_133	chr14	21081249	21082110	Intergenic	Intergenic	-2247	NM_001024	493901	Hs.729466	NM_001024822	HPRD:18667
P493_merge_peak_62	chr1	161500761	161501174	Intergenic	tRNA-Gly-GGA [tRNA] tRNA	6931	NM_002155	3310	Hs.654614	NM_002155	HPRD:00775
P493_merge_peak_3	chr1	16872236	16872736	Intergenic	tRNA-Gly-GGG [tRNA] tRNA	-2973	NR_037446	100500876		NR_037446	miRBase:MI0016076
P493_merge_peak_415	chr6	28949004	28950213	Intergenic	Intergenic	23389	NM_001010	282890	Hs.148218	NM_001010877	HPRD:18325
P493_merge_peak_43	chr1	161391686	161392132	Intergenic	tRNA-Glu-GAA [tRNA] tRNA	-54236	NM_0010134	257177	Hs.534593	NM_001013625	HPRD:13257
P493_merge_peak_21	chr1	145399049	145399485	intron (NM_00103970)	tRNA-Glu-CAG [tRNA] tRNA	-13924	NM_213653	148738	Hs.632436	NM_145277	HPRD:10521
P493_merge_peak_299	chr5	180644874	180649635	TTS (NR_039781)	TTS (NR_039781)	439	NR_039781	100616342		NR_039781	miRBase:MI0017265
P493_merge_peak_315	chr6	26554155	26554636	Intergenic	tRNA-Ile-ATT [tRNA] tRNA	15838	NM_006353	10473	Hs.236774	NM_006353	
P493_merge_peak_300	chr6	26286759	26287016	Intergenic	tRNA-Met-i [tRNA] tRNA	-1070	NM_003543	8365	Hs.591790	NM_003543	HPRD:11919
P493_merge_peak_66	chr1	16768377	167684231	Intergenic	tRNA-Pro-CGG [tRNA] tRNA	-1718	NM_024569	9019	Hs.493919	NM_003953	HPRD:05086
P493_merge_peak_302	chr6	26305464	26305960	Intergenic	Intergenic	-19985	NM_003543	8365	Hs.591790	NM_003543	HPRD:11919
P493_merge_peak_70	chr1	22628177	22628609	Intergenic	tRNA-Thr-ACA [tRNA] tRNA	83051	NM_024746	79802	Hs.665660	NM_024746	HPRD:08587
P493_merge_peak_307	chr6	26322933	26323405	Intergenic	Intergenic	-37442	NM_003543	8365	Hs.591790	NM_003543	HPRD:11919
P493_merge_peak_195	chr17	8125333	8126383	non-coding (NR_026951)	non-coding (NR_026951, exon 2 of 3)	1503	NR_026951	284029	Hs.121692	NM_0173621	HPRD:08755
P493_merge_peak_203	chr17	37025364	37025775	promoter-TSS (NM_006148)	promoter-TSS (NM_006148)	-543	NR_073884	3927	Hs.741156	NM_006148	HPRD:04229
P493_merge_peak_369	chr6	27638177	27638562	Intergenic	tRNA-Arg-CGY [tRNA] tRNA	-23445	NR_038293	100507173	Hs.635987	NR_038293	
P493_merge_peak_401	chr6	28763548	28763972	Intergenic	tRNA-Ala-GCY [tRNA] tRNA	67694	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
P493_merge_peak_389	chr6	28615784	28616205	Intergenic	tRNA-Thr-ACG [tRNA] tRNA	-60882	NM_052923	114821	Hs.176980	NM_052923	HPRD:11720
P493_merge_peak_71	chr1	228745848	228746299	Intergenic	CpG	-34321	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
P493_merge_peak_210	chr17	73029854	73030744	intron (NR_110835)	intron (NR_110835, intron 2 of 7)	1637	NR_110835	23510	Hs.514468	NM_0115353	HPRD:17176
P493_merge_peak_53	chr1	161425217	161425610	Intergenic	CpG	-49792	NM_021642	2212	Hs.352642	NM_021642	HPRD:09006
P493_merge_peak_125	chr13	4163467	41635059	promoter-TSS (NM_007187)	promoter-TSS (NM_007187)	-829	NM_007187	11193	Hs.411300	NM_007187	HPRD:16086
P493_merge_peak_68	chr1	204475494	204476397	Intergenic	Intergenic	-9562	NM_001278	4194	Hs.497492	NM_002393	HPRD:04082
P493_merge_peak_274	chr3	169489835	169490282	promoter-TSS (NR_033703)	promoter-TSS (NR_033703)	-7985	NM_018657	55892	Hs.507025	NM_018657	HPRD:06920
P493_merge_peak_287	chr5	140098394	140098788	promoter-TSS (NR_026704)	promoter-TSS (NR_026704)	80	NR_026704	56663		NR_026704	ENSG00000202111
P493_merge_peak_377	chr6	27758867	27759361	Intergenic	Intergenic	16595	NM_003519	8340	Hs.137594	NM_003519	HPRD:11898
P493_merge_peak_58	chr1	161438926	161439632	Intergenic	CpG	-35926	NM_021642	2212	Hs.352642	NM_021642	HPRD:09006
P493_merge_peak_386	chr6	28564925	28565339	Intergenic	tRNA-Ser-AGY [tRNA] tRNA	-10020	NM_052923	114821	Hs.176980	NM_052923	HPRD:11720
P493_merge_peak_416	chr6	25286071	25286082	promoter-TSS (NM_001512)	promoter-TSS (NM_001512)	-398	NM_001512	2941	Hs.485557	NM_001512	HPRD:06899
P493_merge_peak_346	chr6	27300487	27300986	Intergenic	Intergenic	8196	NR_045612	387316	Hs.326753	NM_032030	
P493_merge_peak_59	chr1	161440005	161440362	Intergenic	CpG	-35022	NM_021642	2212	Hs.352642	NM_021642	HPRD:09006
P493_merge_peak_313	chr6	26537586	26538520	promoter-TSS (NM_006353)	promoter-TSS (NM_006353)	-519	NM_006353	10473	Hs.236774	NM_006353	
P493_merge_peak_308	chr6	26327683	26328649	Intergenic	Intergenic	-37221	NM_001197	11118	Hs.376046	NM_007047	HPRD:12547
P493_merge_peak_412	chr6	28912214	28912618	TTS (NR_103538)	TTS (NR_103538).5	855	NR_103538	729583	Hs.453549	NR_103538	
P493_merge_peak_101	chr11	59323762	59324209	Intergenic	Intergenic	38646	NR_036120	100422880		NR_036120	
P493_merge_peak_87	chr1	228781607	228782111	intron (NR_037962)	intron (NR_037962)	1202	NR_028384	574029	Hs.647777	NR_028384	
P493_merge_peak_141	chr14	21151294	21151721	promoter-TSS (NM_001145)	promoter-TSS (NM_001145)	-829	NM_001145	283	Hs.283749	NM_001145	HPRD:00105
P493_merge_peak_157	chr15	68132109	68132598	promoter-TSS (NR_125730)	promoter-TSS (NR_125730).5	30	NR_125730	103625684		NR_125730	
P493_merge_peak_145	chr14	50053154	50053744	promoter-TSS (NM_001032)	promoter-TSS (NM_001032)	-315	NM_001030	6235	Hs.156367	NM_001032	HPRD:04698
P493_merge_peak_84	chr1	228774901	228775358	Intergenic	CpG	-5265	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
P493_merge_peak_200	chr17	36907842	36908263	promoter-TSS (NM_002795)	promoter-TSS (NM_002795)	-914	NR_104194	5691	Hs.82793	NM_002795	HPRD:03709
P493_merge_peak_444	chr8	67026142	67026673	Intergenic	Intergenic	-12871	NM_184087	84675	Hs.85524	NM_033058	HPRD:05927
P493_merge_peak_90	chr10	5895316	5895900	Intergenic	AluSq [SINE] Alu	-35927	NM_001258	84893	Hs.495443	NM_032807	HPRD:06243
P493_merge_peak_131	chr14	21077327	21077731	Intergenic	tRNA-Pro-CCY [tRNA] tRNA	-18547	NM_001024	493901	Hs.729466	NM_001024822	HPRD:18667
P493_merge_peak_455	chr9	137029408	137029956	promoter-TSS (NR_023344)	promoter-TSS (NR_023344)	4	NR_023344	100151684	Hs.545589	NR_023344	ENSG00000221676
P493_merge_peak_172	chr16	3239464	3239856	Intergenic	tRNA-Pro-CCY [tRNA] tRNA	-14587	NM_012360	4992	Hs.664502	NM_012360	HPRD:09125
P493_merge_peak_384	chr6	28510662	28511080	Intergenic	Intergenic	17082	NM_003996	2880	Hs.248129	NM_001509	HPRD:11941
P493_merge_peak_24	chr1	147774633	147775088	intron (NR_102404)	tRNA-His-CAY [tRNA] tRNA	31818	NR_049810	100847044		NR_049810	
P493_merge_peak_27	chr1	148000645	148001086	intron (NR_102404)	tRNA-Asn-AAAC [tRNA] tRNA	6719	NR_104086	101954277		NR_104086	
P493_merge_peak_140	chr14	21149708	21150116	Intergenic	tRNA-Gln-CAG [tRNA] tRNA	-2424	NM_001145	283	Hs.283749	NM_001145	HPRD:00105
P493_merge_peak_64	chr1	161582359	161582747	Intergenic	tRNA-Gly-GGA [tRNA] tRNA	6704	NR_024151	3311	Hs.662180	NR_024151	
P493_merge_peak_193	chr17	8123991	8124408	non-coding (NR_026951)	non-coding (NR_026951, exon 3 of 3)	3162	NR_026951	284			

P493_merge_peak_403	chr6	28775475	28775816	Intergenic	tRNA-Phe-TTY [tRNA] tRNA	55809	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
P493_merge_peak_399	chr6	28757375	28757748	Intergenic	tRNA-Ala-GCA [tRNA] tRNA	73893	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
P493_merge_peak_314	chr6	26553597	26553975	Intergenic	tRNA-Ala-GCG [tRNA] tRNA	15214	NM_006353	10473	Hs.236774	NM_006353	
P493_merge_peak_371	chr6	27652164	27652684	Intergenic		-9390	NR_038293	100507173	Hs.635987	NR_038292	
P493_merge_peak_173	chr16	3241365	3242321	Intergenic		-12449	NM_012360	4992	Hs.664502	NM_012360	HPRD:09125
P493_merge_peak_273	chr3	131950464	131950853	Intergenic	tRNA-Cys-TGY [tRNA] tRNA	-85553	NM_001099	55	Hs.433060	NM_001099	HPRD:01378
P493_merge_peak_332	chr6	27125752	27126198	Intergenic	tRNA-His-CAY [tRNA] tRNA	10570	NR_036096	100422934		NR_036096	miRBase:MI0014167
P493_merge_peak_57	chr1	161435125	161435598	Intergenic	CpG	-39844	NM_021642	2212	Hs.352642	NM_021642	HPRD:09096
P493_merge_peak_233	chr19	48421539	48421941	promoter-TSS (NR_004436)	promoter-TSS (NR_004436)	54	NR_004435	100126798	Hs.579631	NR_004435	
P493_merge_peak_236	chr19	49534774	49535174	promoter-TSS (NM_033378)	promoter-TSS (NM_033378)	70	NR_024244	100170228	Hs.717308	NR_024244	
P493_merge_peak_341	chr6	27247878	27248238	Intergenic	tRNA-Val-GTG [tRNA] tRNA	31953	NM_033482	94026	Hs.729955	NM_033482	ENSG00000158553
P493_merge_peak_47	chr1	161412958	161413322	Intergenic	CpG	-62065	NM_021642	2212	Hs.352642	NM_021642	HPRD:09096
P493_merge_peak_67	chr1	167684568	167684944	Intergenic	tRNA-Pro-CCY [tRNA] tRNA	-6431	NM_024569	9019	Hs.493919	NM_030953	HPRD:05086
P493_merge_peak_454	chr9	131102000	131102602	promoter-TSS (NM_005094)	promoter-TSS (NM_005094)	-538	NM_005094	10999	Hs.656699	NM_005094	HPRD:09172
P493_merge_peak_402	chr6	28770363	28770761	Intergenic		60892	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
P493_merge_peak_144	chr14	32672165	32672585	promoter-TSS (NR_125730).4	promoter-TSS (NR_125730).4	100	NR_125730	103625684		NR_125730	
P493_merge_peak_360	chr6	27551074	27551440	Intergenic	tRNA-Asp-GAY [tRNA] tRNA	-110360	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
P493_merge_peak_319	chr6	26571838	26572278	Intergenic		-25113	NM_013375	29777	Hs.254406	NM_013375	HPRD:16469
P493_merge_peak_169	chr16	3232447	3232840	Intergenic	tRNA-Pro-CCY [tRNA] tRNA	-21604	NM_012360	4992	Hs.664502	NM_012360	HPRD:09125
P493_merge_peak_350	chr6	27463480	27463861	Intergenic	tRNA-Ser-TCY [tRNA] tRNA	-22773	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
P493_merge_peak_51	chr1	161420365	161420735	Intergenic	CpG	-54655	NM_021642	2212	Hs.352642	NM_021642	HPRD:09096
P493_merge_peak_382	chr6	28456567	28456992	Intergenic	tRNA-Thr-ACG [tRNA] tRNA	26791	NM_182701	257202	Hs.448570	NM_182701	HPRD:12132
P493_merge_peak_349	chr6	274477300	27447702	Intergenic	tRNA-Asp-GAY [tRNA] tRNA	-6604	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
P493_merge_peak_272	chr3	131947733	131948175	Intergenic	tRNA-Cys-TGY [tRNA] tRNA	-88237	NM_001099	55	Hs.433060	NM_001099	HPRD:01378
P493_merge_peak_339	chr6	27205142	27205526	Intergenic		-10168	NM_005865	10279	Hs.274407	NM_005865	HPRD:06205
P493_merge_peak_358	chr6	27521007	27521391	Intergenic	tRNA-Ser-TCY [tRNA] tRNA	-80302	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
P493_merge_peak_54	chr1	161427778	161428128	Intergenic	CpG	-47252	NM_021642	2212	Hs.352642	NM_021642	HPRD:09096
P493_merge_peak_180	chr16	22309630	22310034	intron (NM_00125803)	MIR [SINE] MIR	1136	NM_001258	55718	Hs.460298	NM_001258	HPRD:15155
P493_merge_peak_29	chr1	148598071	148598536	intron (NR_104217, intron 2 of 17)	intron (NR_104217, intron 2 of 17)	37456	NM_173638	284565	Hs.523572	NM_173638	HPRD:14710
P493_merge_peak_365	chr6	27586050	27586381	Intergenic		-75599	NR_038293	100507173	Hs.635987	NR_038292	
P493_merge_peak_2	chr1	16861508	16861983	Intergenic	CpG	-13664	NR_037446	100500876		NR_037446	miRBase:MI0016076
P493_merge_peak_336	chr6	27182819	27183164	Intergenic	tRNA-Arg-CGY [tRNA] tRNA	-32511	NM_005865	10279	Hs.274407	NM_005865	HPRD:06205
P493_merge_peak_285	chr5	135416031	135416413	promoter-TSS (NR_030583)	promoter-TSS (NR_030583)	64	NR_030583	100126299		NR_030583	ENSG000002270123
P493_merge_peak_46	chr1	161410051	161410806	Intergenic	CpG	-64577	NM_021642	2212	Hs.352642	NM_021642	HPRD:09096
P493_merge_peak_228	chr19	39902660	39903051	promoter-TSS (NM_022835)	promoter-TSS (NM_022835)	-895	NM_022835	64857	Hs.631574	NM_022835	HPRD:15148
P493_merge_peak_231	chr19	45981698	45982073	Intergenic	tRNA-SeC(E)-TGA [tRNA] tRNA	10632	NM_006732	2354	Hs.590558	NM_006732	HPRD:01270
P493_merge_peak_293	chr5	180600357	180601199	Intergenic		18040	NR_108031	102577426	Hs.277359	NR_108031	
P493_merge_peak_30	chr1	148760516	148760481	intron (NR_104217, intron 2 of 17)	intron (NR_104217, intron 2 of 17)	-45697	NM_001144	730262		NM_001144032	
P493_merge_peak_393	chr6	28687369	28687780	Intergenic		-132462	NM_052923	114821	Hs.176980	NM_052923	HPRD:11720
P493_merge_peak_333	chr6	271229919	27130286	Intergenic	tRNA-Thr-ACY [tRNA] tRNA	14697	NR_036096	100422934		NR_036096	miRBase:MI0014167
P493_merge_peak_356	chr6	27513339	27513722	Intergenic	tRNA-Ser-TCA [tRNA] tRNA	-72633	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
P493_merge_peak_159	chr15	80036880	80037211	Intergenic	tRNA-Cys-TGY [tRNA] tRNA	152294	NR_037654	10588	Hs.194294	NM_006441	
P493_merge_peak_342	chr6	27261546	27261893	Intergenic	tRNA-Ile-ATT [tRNA] tRNA	18292	NM_033482	94026	Hs.729955	NM_033482	ENSG00000158553
P493_merge_peak_428	chr7	148680709	148681091	Intergenic	HY3 [scRNA] scRNA	44882	NM_004911	9601	Hs.93659	NM_004911	HPRD:06501
P493_merge_peak_396	chr6	28710488	28710924	Intergenic		120748	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
P493_merge_peak_327	chr6	26745112	26745457	Intergenic	tRNA-Ile-ATT [tRNA] tRNA	-85304	NM_001242	79692	Hs.126280	NM_001242	HPRD:02469
P493_merge_peak_361	chr6	27559430	27559816	Intergenic	tRNA-Lys-AAA [tRNA] tRNA	-102191	NR_038293	100507173	Hs.635987	NR_038292	
P493_merge_peak_400	chr6	28758359	28758690	Intergenic	tRNA-Phe-TTY [tRNA] tRNA	72930	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
P493_merge_peak_34	chr1	149683940	149684319	Intergenic	tRNA-Val-GTG [tRNA] tRNA	-70121	NM_000566	2209	Hs.77424	NM_000566	HPRD:09094
P493_merge_peak_316	chr6	26555370	26555759	Intergenic	tRNA-Pro-CCY [tRNA] tRNA	16994	NM_006353	10473	Hs.236774	NM_006353	
P493_merge_peak_303	chr6	26311281	26311601	Intergenic	tRNA-Gln-CAA [tRNA] tRNA	-25714	NM_003543	8365	Hs.591790	NM_003543	HPRD:11919
P493_merge_peak_304	chr6	26311831	26312165	Intergenic	tRNA-Gln-CAA [tRNA] tRNA	-26271	NM_003543	8365	Hs.591790	NM_003543	HPRD:11919
P493_merge_peak_99	chr11	35547886	35548368	promoter-TSS (NM_015430)	promoter-TSS (NM_015430)	-548	NM_001282	25891	Hs.55044	NM_015430	HPRD:07104
P493_merge_peak_351	chr6	27470684	27471095	Intergenic	tRNA-Ser-TCY [tRNA] tRNA	-29992	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
P493_merge_peak_404	chr6	28779715	28780073	Intergenic	tRNA-Ala-GCY [tRNA] tRNA	51560	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
P493_merge_peak_352	chr6	27471411	27471733	Intergenic	tRNA-Asp-GAY [tRNA] tRNA	-30675	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
P493_merge_peak_26	chr1	147825567	147825945	intron (NR_102404, intron 17 of 18)	tRNA-Gln-CAG [tRNA] tRNA	-19078	NR_049810	100847044		NR_049810	
P493_merge_peak_138	chr14	21121115	21121470	Intergenic	tRNA-Tyr-TAC [tRNA] tRNA	-11442	NM_001001	341799	Hs.513132	NM_00101968	HPRD:17779
P493_merge_peak_395	chr6	28703010	28703410	Intergenic	tRNA-Ala-GCY [tRNA] tRNA	128244	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
P493_merge_peak_6	chr1	17053675	17054041	Intergenic		7098	NM_001282	729574		NM_001282321	ENSG00000237847
P493_merge_peak_347	chr6	27302582	27302986	Intergenic	tRNA-Lys-AAA [tRNA] tRNA	10244	NR_045612	387316	Hs.326753	NM_032030	
P493_merge_peak_321	chr6	26577129	26577630	Intergenic		-19747	NM_013375	29777	Hs.254406	NM_013375	HPRD:16469
P493_merge_peak_359	chr6	27543746	27544051	Intergenic	tRNA-Lys-AAA [tRNA] tRNA	-103001	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
P493_merge_peak_344	chr6	27265650	27266027	Intergenic	tRNA-Ser-AGY [tRNA] tRNA	14173	NM_033482	94026	Hs.729955	NM_033482	ENSG00000158553
P493_merge_peak_337	chr6	27198038	27198536	Intergenic		-17215	NM_005865	10279	Hs.274407	NM_005865	HPRD:06205
P493_merge_peak_291	chr5	180591051	180591406	Intergenic		9285	NM_206880	285659	Hs.553681	NM_206880	HPRD:14956
P493_merge_peak_8	chr1	17188322	17188680	Intergenic		-2985	NR_037446	100500876		NR_037446	miRBase:MI0016076
P493_merge_peak_25	chr1	147775522	147775841	intron (NR_102404, intron 17 of 18)	intron (NR_102404, intron 17 of 18)	30997	NR_049810	100847044		NR_049810	
P493_merge_peak_135	chr14	21098405	21098772	Intergenic		11262	NM_001001	341799	Hs.513132	NM_00101968	HPRD:17779
P493_merge_peak_387	chr6	28574825	28575151	Intergenic	tRNA-Ala-GCY [tRNA] tRNA	-19876	NM_052923	114821	Hs.176980	NM_052923	HPRD:11720
P493_merge_peak_373	chr6	27688741	27689078	Intergenic	tRNA-Leu-TTA [tRNA] tRNA	27051	NR_038292	100507173	Hs.635987	NR_038292	
P493_merge_peak_170	chr16	3233977	3234366	Intergenic	tRNA-Pro-CCA [tRNA] tRNA	-20076	NM_012360	4992	Hs.664502	NM_012360	HPRD:09125
P493_merge_peak_197	chr17	17863459	17863779	intron (NM_00103355)	MIRb [SINE] MIR	12165	NM_001082	146691	Hs.462379	NM_144678	HPRD:18213
P493_merge_peak_366	chr6	27599113	27599488	Intergenic		-62514	NR_038293	100507173	Hs.635987	NR_038292	
P493_merge_peak_254	chr2	47562367	47562797	intron (NR_110208, intron 2)	BC200 [scRNA] scRNA	9631	NR_110207	101927043	Hs.515976	NR_110207	ENSG00000234690
P493_merge_peak_289	chr5	180523957	180524397	Intergenic		28127	NM_001258	26693	Hs.742585	NM_001258283	ENSG00000185372
P493_merge_peak_323	chr6	26701634	26702017	Intergenic		-41845	NM_001242	79692	Hs.126280	NM_001242	HPRD:02469
P493_merge_peak_427	chr7	148660279	148660681	Intergenic	HY4 [scRNA] scRNA	65302	NM_004911	9601	Hs.93659	NM_004911	HPRD:06501
P493_merge_peak_225	chr19	18392434	18392757	promoter-TSS (NR_036155)	promoter-TSS (NR_036155)	-129	NM_001286	3727	Hs.2780	NM_005354	HPRD:01304
P493_merge_peak_35	chr1	149711634	149711980	Intergenic	tRNA-Asn-AAC [tRNA] tRNA	-42443	NM_000566	2209	Hs.77424	NM_000566	HPRD:09094
P493_merge_peak_15	chr1	93981663	93982012	intron (NM_00102494)	tRNA-Cys-TGY [tRNA] tRNA	68149	NM_001024	54874	Hs.134060	NM_017737	HPRD:12317
P493_merge_peak_331	chr6	27064977	27065350	Intergenic	tRNA-Ser-AGY [tRNA] tRNA	35412	NM_021058	8970	Hs.591807	NM_021058	
P493_merge_peak_397	chr6	28715404	28715787	Intergenic		115859	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
P493_merge_peak_338	chr6	27203192	27203502	Intergenic	tRNA-Val-GTY [tRNA] tRNA	-12155	NM_005865	10279	Hs.274407	NM_005865	HPRD:06205
P493_merge_peak_374	chr6	27694353									

P493_merge_peak_120	chr12	113552284	113552524	intron (NM_00119352)	MIR SINE MIR	21000	NM_001301	8437	Hs.528693	NM_004658	HPRD:04986
P493_merge_peak_106	chr11	6333452	63334788	Intergenic	LTR4 LTR ERV1	-3815	NM_017878	54979	Hs.272805	NM_017878	HPRD:13670
P493_merge_peak_329	chr6	26773677	26773927	Intergenic	tRNA-Ala-GCyl tRNA tRNA	-113822	NM_001242	79692	Hs.126280	NM_024639	
P493_merge_peak_249	chr19	54370724	54371016	promoter-TSS (NM_001290190)	promoter-TSS (NM_001290190)	-249	NM_001290	91663	Hs.380906	NM_138373	HPRD:14792
P493_merge_peak_39	chr1	159111291	159111542	Intergenic	tRNA-Arg-AGA tRNA tRNA	-29961	NM_021189	57863	Hs.365689	NM_021189	HPRD:13733
P493_merge_peak_237	chr19	49540261	49540527	promoter-TSS (NM_033377)	promoter-TSS (NM_033377)	117	NM_004383	100126780	Hs.621635	NR_004383	
P493_merge_peak_283	chr5	55884786	55885067	intron (NM_001287053, intron 1 of 5)	tRNA-Cys-TGY tRNA tRNA	-17133	NM_001287	101928448	Hs.208052	NM_001287053	
P493_merge_peak_437	chr7	149361836	149362109	Intergenic	tRNA-Cys-TGY tRNA tRNA	-40091	NR_027789	79970	Hs.520785	NM_024910	HPRD:07791
P493_merge_peak_280	chr4	80979917	80980221	intron (NM_00128678)	L4 LINE L1 RT	14408	NM_001286	118429	Hs.162963	NM_058172	HPRD:07452
P493_merge_peak_208	chr17	56415444	56415710	intron (NR_038416, intron 1 of 2)	intron (NR_038416, intron 1 of 2)	1014	NR_038417	100506779	Hs.718477	NR_038410	ENSG00000265148
P493_merge_peak_432	chr7	149052643	149052904	Intergenic	tRNA-Cys-TGY tRNA tRNA	70401	NR_036573	155060	Hs.490512	NR_015357	HPRD:17309
P493_merge_peak_430	chr7	149007200	149007515	Intergenic	Intergenic	24985	NR_036573	155060	Hs.490512	NR_015357	HPRD:17309
P493_merge_peak_119	chr12	109085362	109085626	intron (NM_00110523)	intron (NM_00110523, intron 2 of 1)	11280	NM_001105	23603	Hs.330384	NM_014325	HPRD:09244
P493_merge_peak_148	chr14	75725797	75726086	Intergenic	CpG	-19540	NM_005252	2353	Hs.25647	NM_005252	HPRD:01275
P493_merge_peak_171	chr16	3237733	3238258	Intergenic	Intergenic	-16252	NM_012360	4992	Hs.664502	NM_012360	HPRD:09125
P493_merge_peak_446	chr8	103506842	103507109	Intergenic	MIR SINE MIR	-56873	NM_024410	4956	Hs.159274	NM_024410	HPRD:01687
P493_merge_peak_9	chr1	17199034	17199292	Intergenic	CpG	-13647	NR_037446	100500876		NR_037446	miRBase:MI0016076
P493_merge_peak_340	chr6	27242886	27243138	Intergenic	tRNA-Ile-ATT tRNA tRNA	27516	NM_005865	10279	Hs.274407	NM_005865	HPRD:06205
P493_merge_peak_434	chr7	149074528	149074760	Intergenic	tRNA-Cys-TGY tRNA tRNA	83409	NM_015694	27153	Hs.38512	NM_015694	HPRD:13849
P493_merge_peak_17	chr1	145379103	145379371	intron (NM_001039703, intron 68 of 8)	intron (NM_001039703, intron 68 of 8)	-33954	NM_012363	148738	Hs.632436	NM_145277	HPRD:10521
P493_merge_peak_433	chr7	149072729	149072990	Intergenic	tRNA-Cys-TGY tRNA tRNA	85194	NM_015694	27153	Hs.38512	NM_015694	HPRD:13849
P493_merge_peak_282	chr5	10137	11691	Intergenic	(CCCTAA)n Simple_repeat Simple_re	-129459	NM_052909	153478	Hs.535800	NM_052909	
P493_merge_peak_448	chr9	3528183	3526031	promoter-TSS (NM_001282116)	promoter-TSS (NM_001282116)	79	NM_001282	5991	Hs.136829	NM_002919	HPRD:03215
P493_merge_peak_320	chr6	26575737	26576003	Intergenic	tRNA-Tyr-TAC tRNA tRNA	-21301	NM_013375	29777	Hs.254406	NM_013375	HPRD:16469
P493_merge_peak_22	chr1	147752560	147752782	intron (NR_102404, intron 17 of 18)	intron (NR_102404, intron 17 of 18)	-3329	NR_120331	101927468	Hs.515867	NR_120331	
P493_merge_peak_376	chr6	27745612	27745822	Intergenic	tRNA-Met-i tRNA tRNA	16196	NR_038929	100131289	NM_200573	NR_038929	
P493_merge_peak_383	chr6	28505329	28505557	Intergenic	tRNA-Ile-ATA tRNA tRNA	11654	NM_003996	2880	Hs.244129	NM_015059	HPRD:11941
P493_merge_peak_335	chr6	27181480	27181769	Intergenic	tRNA-Arg-CGY tRNA tRNA	-33878	NM_005865	10279	Hs.274407	NM_005865	HPRD:06205
P493_merge_peak_271	chr3	12027774	120277971	Intergenic	Intergenic	-37256	NM_004547	4710	Hs.304613	NM_004547	HPRD:11955
P493_merge_peak_126	chr13	42029906	42030168	Intergenic	LTR2C LTR ERV1	-1505	NM_014059	28984	Hs.507866	NM_014059	HPRD:17970
P493_merge_peak_326	chr6	26735496	26735726	Intergenic	tRNA-Met tRNA tRNA	-75631	NM_001242	79692	Hs.126280	NM_024639	
P493_merge_peak_232	chr19	46220611	46220858	intron (NM_001080469, intron 1 of 1)	intron (NM_001080469, intron 1 of 1)	13417	NM_001080	23403	Hs.128072	NM_001080469	ENSG00000177051
P493_merge_peak_110	chr11	67203875	67204129	intron (NM_005608, intron 12)	L2a LINE L2	1151	NM_005608	5790	Hs.155975	NM_005608	
P493_merge_peak_453	chr9	126147288	126147747	intron (NM_020946, intron 1)	intron (NM_020946, intron 1)	16459	NR_104603	286204	Hs.568340	NR_104603	HPRD:13093
P493_merge_peak_355	chr6	27509387	27509682	Intergenic	Intergenic	-68637	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
P493_merge_peak_263	chr21	9825995	9826297	promoter-TSS (NR_037458)	promoter-TSS (NR_037458)	-57	NR_037458	100500815		NR_037458	miRBase:MI0016088
P493_merge_peak_452	chr9	92305434	92305711	intron (NR_024280, intron 3 of 5)	intron (NR_024280, intron 3 of 5)	50874	NR_024280	100129066	Hs.125947	NR_024280	
P493_merge_peak_98	chr10	133575526	133575785	Intergenic	Intergenic	46880	NR_038365	39827	Hs.523353	NM_00101677	HPRD:13530
P493_merge_peak_45	chr1	161409873	161410094	Intergenic	tRNA-Gly-GGA tRNA tRNA	-65222	NM_021642	2212	Hs.352642	NM_021642	HPRD:09006
P493_merge_peak_115	chr12	90343724	90343939	Intergenic	Intergenic	241099	NR_028138	338758	Hs.601766	NR_028138	ENSG00000271614
P493_merge_peak_94	chr10	42529533	42529765	Intergenic	ALR Alpha Satellite centr	333844	NR_024380	441666	Hs.255729	NR_024380	ENSG00000215146
P493_merge_peak_224	chr19	16435278	16435492	promoter-TSS (NM_016270)	promoter-TSS (NM_016270)	-266	NM_016270	10365	Hs.744182	NM_016270	HPRD:03602
P493_merge_peak_113	chr11	122430603	122430829	Intergenic	tRNA-Lys-AAAl tRNA tRNA	-95682	NM_032873	84959	Hs.444075	NM_032873	HPRD:16463
P493_merge_peak_109	chr11	66189126	66189364	intron (NM_178864, intron 1)	CpG	770	NM_178864	266743	Hs.256036	NM_178864	HPRD:12260
P493_merge_peak_92	chr10	23286159	23286412	intron (NM_173081, intron 10 of 18)	intron (NM_173081, intron 10 of 18)	69332	NM_001282	219681	Hs.659807	NM_173081	HPRD:12487
P493_merge_peak_328	chr6	26766630	26766858	Intergenic	tRNA-Met-i tRNA tRNA	-106504	NM_001242	79692	Hs.126280	NM_024639	
P493_merge_peak_471	chrX	47662024	47662224	Intergenic	tRNA-Gly-GGA tRNA tRNA	-34177	NM_007137	347344	Hs.114246	NM_007137	ENSG00000197779
P493_merge_peak_275	chr3	172468136	172468358	promoter-TSS (NM_001258316)	promoter-TSS (NM_001258316)	-228	NM_001258	1894	Hs.518299	NM_018098	HPRD:11860
P493_merge_peak_50	chr1	161418717	161418908	Intergenic	CpG	-56393	NM_021642	2212	Hs.352642	NM_021642	HPRD:09006
P493_merge_peak_89	chr10	3915992	3916185	Intergenic	Intergenic	-88615	NM_001160	1316	Hs.4055	NM_001300	HPRD:03632
P493_merge_peak_69	chr1	207510611	207510820	exon (NM_000574, exon 8 of 10)	exon (NM_000574, exon 8 of 10)	15898	NM_001300	1604	Hs.126517	NM_000574	HPRD:05000
P493_merge_peak_440	chr8	37739417	37739639	intron (NM_001002814, intron 3 of 5)	intron (NM_001002814, intron 3 of 5)	17487	NM_025151	80223	Hs.191179	NM_025151	HPRD:09787
P493_merge_peak_150	chr14	105948411	105948504	Intergenic	Intergenic	4739	NR_073805	1397	Hs.534309	NM_001312	HPRD:03113
P493_merge_peak_212	chr17	79479802	79480007	promoter-TSS (NM_001614)	promoter-TSS (NM_001614)	-12	NM_001199	71	Hs.514581	NM_001614	HPRD:00017
P493_merge_peak_223	chr19	14116930	14117177	promoter-TSS (NM_002918)	promoter-TSS (NM_002918)	81	NM_002918	5989	Hs.655215	NM_002918	HPRD:02476
P493_merge_peak_41	chr1	158993530	158993731	promoter-TSS (NM_001277224)	promoter-TSS (NM_001277224)	-123	NM_001277	8407	Hs.517168	NM_003564	HPRD:06864
P493_merge_peak_11	chr1	19278614	19278842	intron (NM_001136265, intron 1 of 8)	intron (NM_001136265, intron 1 of 8)	4083	NM_001136	126917	Hs.466625	NM_001136265	ENSG00000169991
P493_merge_peak_422	chr7	101387518	101387846	Intergenic	AluS1 SINE Alu	-71502	NM_001913	1523	Hs.191482	NM_001913	HPRD:00295
P493_merge_peak_201	chr17	37017721	37018050	Intergenic	Intergenic	-7832	NM_000978	9349	Hs.406300	NM_000978	
P493_merge_peak_230	chr19	45540686	45540943	exon (NM_006509, exon 11 of 11)	exon (NM_006509, exon 11 of 11)	-1484	NM_001278	11129	Hs.466917	NM_007056	HPRD:11552
P493_merge_peak_10	chr1	17222698	17222895	Intergenic	Intergenic	-25649	NM_014675	9696	Hs.309403	NM_014675	HPRD:16758
P493_merge_peak_183	chr16	73512079	73512334	Intergenic	Intergenic	91502	NR_038234	100506172	Hs.434230	NR_038234	ENSG00000258779
P493_merge_peak_184	chr16	81849392	81849590	intron (NM_002661, intron 1)	AluS1 SINE Alu	36628	NM_002661	5336	Hs.372303	NM_002661	HPRD:02570
P493_merge_peak_262	chr20	6727601	6727817	Intergenic	MIR SINE MIR	-21036	NM_001200	650	Hs.73853	NM_001200	HPRD:00206
P493_merge_peak_261	chr20	4794955	4795175	intron (NM_014737, intron 2 of 11)	intron (NM_014737, intron 2 of 11)	704	NM_170774	9770	Hs.631504	NM_014737	HPRD:15218
P493_merge_peak_13	chr1	45272994	45273227	promoter-TSS (NM_001013632)	promoter-TSS (NM_001013632)	-153	NM_001013	343521	Hs.585137	NM_001013632	HPRD:15762
P493_merge_peak_472	chrX	77359434	77359807	promoter-TSS (NM_000291)	promoter-TSS (NM_000291)	-46	NM_000291	5230	Hs.78771	NM_000291	HPRD:02412
P493_merge_peak_278	chr4	10118453	10118719	promoter-TSS (NM_017491)	promoter-TSS (NM_017491)	-13	NM_017491	9948	Hs.128548	NM_005112	HPRD:09199
P493_merge_peak_176	chr16	10959613	10959840	Intergenic	MIR SINE MIR	-11329	NM_000246	4261	Hs.701991	NM_000246	HPRD:02475
P493_merge_peak_38	chr1	157696390	157696742	Intergenic	ALU SINE Alu	-25919	NM_052939	115352	Hs.292449	NM_052939	HPRD:07352
P493_merge_peak_269	chr3	14186070	14186283	TTS (NM_004628)	TTS (NM_004628)	19736	NM_024334	79188	Hs.517817	NM_024334	HPRD:15541
P493_merge_peak_451	chr9	66971273	66971584	Intergenic	ALR Alpha Satellite centr	48461	NR_121570	101928381	Hs.708866	NR_121570	
P493_merge_peak_174	chr16	3243951	3244157	Intergenic	Intergenic	-10193	NM_012360	4992	Hs.664502	NM_012360	HPRD:09125
P493_merge_peak_12	chr1	22225821	22226109	intron (NM_00129186)	MIR SINE MIR	37825	NM_001291	3339	Hs.562227	NM_005529	HPRD:08004
P493_merge_peak_468	chrUn_g1000	50836	51131	NA	BSR Beta Satellite Satellite	NA	NA	NA		NA	
P493_merge_peak_97	chr10	97026591	97026782	intron (NM_020992, intron 3 of 6)	intron (NM_020992, intron 3 of 6)	24219	NM_020992	9124	Hs.368525	NM_020992	HPRD:09326
P493_merge_peak_441	chr8	38627889	38628127	intron (NM_001146216, intron 1 of 1)	intron (NM_001146216, intron 1 of 1)	-16714	NM_001122	6867	Hs.279245	NM_006283	HPRD:10391
P493_merge_peak_175	chr16	4666279	4666477	Intergenic	CpG-8803	-1451	NM_145253	124402	Hs.513313	NM_145253	HPRD:14025
P493_merge_peak_250	chr19	58609681	58609912	promoter-TSS (NM_001145544)	promoter-TSS (NM_001145544)	-66	NM_023926	65982	Hs.235390	NM_023926	HPRD:07802
P493_merge_peak_207	chr17	47647110	47647396	intron (NR_103773, intron 1)	AluS1 SINE Alu	4173	NR_103773	100288866	Hs.720309	NR_103773	ENSG00000249906
P493_merge_peak_187	chr16	90183321	90183630	Intergenic	Intergenic	-41137	NM_001098	111			

P493_merge_peak_458	chrUn_gl000	107285	107635	non-coding (NR_046235)	non-coding (NR_046235, exon 1 of 1)	2036	NR_046235	100861532		NR_046235	
P493_merge_peak_459	chrUn_gl000	112446	112664	TTS (NR_003285)	TTS (NR_003285)	530	NR_003285	100008587		NR_003285	
P493_merge_peak_277	chr4	549003	549270	Intergenic	(CCA)n Simple_repeat Simple_repe	56147	NR_110293	54872	Hs.7099	NM_017733	HPRD:07890
P493_merge_peak_457	chrUn_gl000	105470	106881	non-coding (NR_046235)	non-coding (NR_046235, exon 1 of 1)	751	NR_046235	100861532		NR_046235	
P493_merge_peak_256	chr2	92316222	92316692	Intergenic	ALR Alpha Satellite centr	187298	NR_027714	440888	Hs.730239	NM_001032412	ENSG00000226481
P493_merge_peak_425	chr7	139119532	139119756	Intergenic	MIRb SINE MIR	-7372	NR_033999	100129148	Hs.744449	NR_033999	
P493_merge_peak_188	chr17	4046882	4047117	promoter-TSS (NM_001254755)	promoter-TSS (NM_001254755)	84	NM_001254	124936	Hs.513871	NM_144611	HPRD:14549
P493_merge_peak_461	chrUn_gl000	114809	115085	non-coding (NR_046235)	non-coding (NR_046235, exon 1 of 1)	2922	NR_003285	100008587		NR_003285	
P493_merge_peak_266	chr21	44756214	44756441	Intergenic	(CCA)n Simple_repeat Simple_repea	-4408	NR_103713	100126693	Hs.473952	NR_103713	
P493_merge_peak_222	chr19	7515638	7515869	intron (NM_001130955)	intron (NM_001130955, intron 5 of 1)	11179	NM_001130	23370	Hs.465761	NM_015318	HPRD:12479
P493_merge_peak_467	chrUn_gl000	161256	161545	Intergenic	LSU-rRNA_Hsa lRNA rRNA	5403	NR_003285	100008587		NR_003285	
P493_merge_peak_279	chr4	49151492	49151757	Intergenic	(CATT)n Satellite Satellite	162965	NM_001286	80157	Hs.479703	NM_025087	HPRD:08638

Supplementary Table 6

PeakID (cmd=annotatePeaks.pl hESC-1mc)	Chr	Start	End	Annotation	Detailed Annotation	Distance to TSS	Nearest Prom	Entrez ID	Nearest Uni	Nearest Refseq	Nearest Ensembl
hESC-1merge_in_peak_380	chr6	28510653	28511152	Intergenic	tRNA-Arg-GCA [tRNA] tRNA	17113	NR_003996	2880	Hs.248129	NM_001509	HPRD:11941
hESC-1merge_in_peak_269	chr5	672787	673286	intron (NM_007030, intron)	intron (NM_007030, intron)	20474	NR_007030	11076	Hs.481466	NM_007030	HPRD:18522
hESC-1merge_in_peak_373	chr6	27578904	27579403	Intergenic	tRNA-Gln-CAA [tRNA] tRNA	16556	NR_003519	8340	Hs.137594	NM_003519	HPRD:11898
hESC-1merge_in_peak_15	chr1	143879600	143880099	Intergenic	tRNA-Asn-AAC [tRNA] tRNA	33294	NR_007418	72833	Hs.535577	NM_007418	ENSG00000215784
hESC-1merge_in_peak_152	chr15	79152174	79153213	Intergenic	tRNA-Lys-AAG [tRNA] tRNA	-12160	NR_001265	10933	Hs.374503	NM_006791	HPRD:09532
hESC-1merge_in_peak_297	chr6	26331441	26331940	Intergenic	tRNA-Trp-TGG [tRNA] tRNA	-33697	NR_001197	11118	Hs.376046	NM_007047	HPRD:12547
hESC-1merge_in_peak_147	chr15	45490578	45491077	intron (NM_138356, intron)	tRNA-His-CAY [tRNA] tRNA	2546	NR_138356	90525	Hs.310399	NM_138356	HPRD:14272
hESC-1merge_in_peak_105	chr11	75946643	75947142	Intergenic	CpG	-29318	NR_004626	7481	Hs.108219	NM_004626	HPRD:04741
hESC-1merge_in_peak_101	chr11	66115390	66115889	promoter-TSS (NM_006876)	promoter-TSS (NM_006876)	-478	NR_006876	11041	Hs.8526	NM_006876	HPRD:09270
hESC-1merge_in_peak_77	chr1	228763754	228764253	Intergenic	CpG	-16391	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
hESC-1merge_in_peak_192	chr17	8125933	8126432	non-coding (NR_026951, ex)	non-coding (NR_026951, ex)	1179	NR_026951	284029	Hs.121692	NM_173621	HPRD:08755
hESC-1merge_in_peak_437	chr7	149028022	149028521	Intergenic	tRNA-Cys-TGY [tRNA] tRNA	45899	NR_036573	155060	Hs.490512	NM_015357	HPRD:17309
hESC-1merge_in_peak_242	chr2	43037473	43037972	Intergenic	tRNA-Ile-ATA [tRNA] tRNA	-17971	NR_012205	23498	Hs.368805	NM_012205	HPRD:05158
hESC-1merge_in_peak_149	chr15	45493162	45493661	promoter-TSS (NM_138356)	promoter-TSS (NM_138356)	-38	NR_138356	90525	Hs.310399	NM_138356	HPRD:14272
hESC-1merge_in_peak_108	chr12	56583955	56584454	promoter-TSS (NM_003075)	promoter-TSS (NM_003075)	-853	NR_003075	6601	Hs.236030	NM_003075	HPRD:03437
hESC-1merge_in_peak_405	chr6	28784771	28785270	Intergenic	tRNA-Ala-GCA [tRNA] tRNA	46434	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
hESC-1merge_in_peak_468	chrX	3756187	3756686	intron (NR_034031, intron)	CpG	5499	NR_034031	38996	Hs.636199	NR_034031	
hESC-1merge_in_peak_274	chr5	180524227	180524726	Intergenic	tRNA-Leu-CYT [tRNA] tRNA	27828	NR_001258	26693	Hs.742585	NM_001258283	ENSG00000185372
hESC-1merge_in_peak_160	chr16	3207160	3207659	Intergenic	tRNA-Lys-AAG [tRNA] tRNA	22275	NR_001134	7760	Hs.115284	NM_004220	HPRD:12224
hESC-1merge_in_peak_305	chr6	26556560	26557059	Intergenic	tRNA-Lys-AAG [tRNA] tRNA	18237	NR_006353	10473	Hs.236774	NM_006353	
hESC-1merge_in_peak_360	chr6	27589536	27586435	Intergenic	tRNA-Thr-ACA [tRNA] tRNA	-75629	NR_038293	100507173	Hs.635987	NR_038292	
hESC-1merge_in_peak_187	chr17	8089467	8089966	promoter-TSS (NR_039746)	promoter-TSS (NR_039746)	-547	NR_039746	100616406		NR_039746	
hESC-1merge_in_peak_143	chr14	102783227	102783726	promoter-TSS (NM_001267)	promoter-TSS (NM_001267)	-238	NR_001267	55778	Hs.743359	NM_001267	HPRD:18532
hESC-1merge_in_peak_128	chr14	21125406	21125905	Intergenic	tRNA-Tyr-TAC [tRNA] tRNA	-15805	NR_001001	341799	Hs.513132	NM_00101968	HPRD:17779
hESC-1merge_in_peak_275	chr5	180528641	180529140	Intergenic	tRNA-Leu-CYT [tRNA] tRNA	23414	NR_001258	26693	Hs.742585	NM_001258283	ENSG00000185372
hESC-1merge_in_peak_289	chr6	26305481	26305980	Intergenic	tRNA-Ser-AGY [tRNA] tRNA	-20003	NR_003543	8365	Hs.591790	NM_003543	HPRD:11919
hESC-1merge_in_peak_432	chr7	148638369	148638868	Intergenic	HY5 [scRNA] scRNA	-57177	NR_001203	2146	Hs.444082	NM_004456	HPRD:03342
hESC-1merge_in_peak_450	chr8	67026216	67026715	Intergenic	tRNA-Ala-GCY [tRNA] tRNA	-12813	NR_184087	84675	Hs.85524	NM_030558	HPRD:05927
hESC-1merge_in_peak_30	chr1	147825493	147825992	intron (NR_102404, intron)	tRNA-Gln-CAG [tRNA] tRNA	-19604	NR_049810	100847044		NR_049810	
hESC-1merge_in_peak_409	chr6	28863789	28864288	promoter-TSS (NR_104117)	promoter-TSS (NR_104117)	-269	NR_104117	414760	Hs.211005	NR_104117	
hESC-1merge_in_peak_323	chr6	26780611	26781110	Intergenic	tRNA-Ile-ATT [tRNA] tRNA	-120880	NR_001242	79692	Hs.126280	NM_002469	
hESC-1merge_in_peak_34	chr1	148760124	148760623	intron (NR_104217, intron)	tRNA-Asn-AAC [tRNA] tRNA	-45642	NR_001144	73062		NR_001144032	
hESC-1merge_in_peak_183	chr17	8023414	8023913	TTS (NM_032580)	TTS (NM_032580)	-1429	NR_001165	59344	Hs.232770	NM_001218	HPRD:06231
hESC-1merge_in_peak_332	chr6	27198057	27198556	Intergenic	Intergenic	-17196	NR_005865	10279	Hs.274407	NM_005865	HPRD:06205
hESC-1merge_in_peak_23	chr1	147504821	147505320	Intergenic	tRNA-Gln-CAG [tRNA] tRNA	-17882	NR_111936	100034743	Hs.696575	NR_003377	ENSG00000215860
hESC-1merge_in_peak_394	chr6	28696890	28697389	Intergenic	tRNA-Ala-GCY [tRNA] tRNA	134315	NR_033379	401242	Hs.448285	NR_033379	HPRD:06965
hESC-1merge_in_peak_327	chr6	27125701	27126200	Intergenic	tRNA-His-CAY [tRNA] tRNA	10545	NR_036096	100422934		NR_036096	miRBase:MI0014167
hESC-1merge_in_peak_271	chr5	135415987	135416486	promoter-TSS (NR_030583)	promoter-TSS (NR_030583)	50	NR_030583	100126299		NR_030583	ENSG00000207123
hESC-1merge_in_peak_417	chr6	28956603	28957102	Intergenic	tRNA-Leu-CYT [tRNA] tRNA	16185	NR_001010	282890	Hs.148218	NM_001010877	HPRD:18325
hESC-1merge_in_peak_174	chr16	57334181	57334680	Intergenic	tRNA-Leu-CYT [tRNA] tRNA	-15846	NR_015993	51090	Hs.632215	NM_015993	HPRD:11854
hESC-1merge_in_peak_113	chr12	125411656	125412155	Intergenic	tRNA-Asp-GAY [tRNA] tRNA	11812	NR_049820	100847004		NR_049820	miRBase:MI0018167
hESC-1merge_in_peak_266	chr4	146808161	146808660	intron (NM_178835, intron)	MIR [SINE] MIR	51197	NR_178835	152485	Hs.633543	NM_178835	HPRD:14095
hESC-1merge_in_peak_76	chr1	228761416	228761915	Intergenic	CpG	-18729	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
hESC-1merge_in_peak_42	chr1	16089550	160896049	Intergenic	tRNA-Glu-GAA [tRNA] tRNA	-6456	NR_110695	101928372		NR_110695	ENSG00000198358
hESC-1merge_in_peak_315	chr6	26721019	26721518	Intergenic	tRNA-Ile-ATT [tRNA] tRNA	-61288	NR_001242	79692	Hs.126280	NR_001242	
hESC-1merge_in_peak_292	chr6	26313132	26313631	Intergenic	tRNA-Met-I [tRNA] tRNA	-27654	NR_003543	8365	Hs.591790	NM_003543	HPRD:11919
hESC-1merge_in_peak_169	chr16	9077645	9078144	Intergenic	AluX [SINE] Alu	-20554	NR_003470	7874	Hs.386939	NM_003470	HPRD:03950
hESC-1merge_in_peak_285	chr5	180648747	180649246	TTS (NR_039781)	TTS (NR_039781)	637	NR_039781	100616342		NR_039781	miRBase:MI0017265
hESC-1merge_in_peak_229	chr19	50610064	50610563	promoter-TSS (NR_024228)	promoter-TSS (NR_024228)	78	NR_024226	100169955	Hs.723094	NR_024226	
hESC-1merge_in_peak_377	chr6	28442117	28442616	Intergenic	tRNA-Thr-ACG [tRNA] tRNA	-31087	NR_001012	222696	Hs.721841	NR_001012455	ENSG00000187987
hESC-1merge_in_peak_303	chr6	26554143	26554642	Intergenic	tRNA-Ile-ATT [tRNA] tRNA	15820	NR_006353	10473	Hs.236774	NM_006353	
hESC-1merge_in_peak_156	chr15	93963224	93963723	Intergenic	Intergenic	-331030	NR_020211	56963	Hs.271277	NM_020211	HPRD:09560
hESC-1merge_in_peak_391	chr6	28678168	28678667	Intergenic	tRNA-Ala-GCY [tRNA] tRNA	-123305	NR_052923	114821	Hs.176980	NM_052923	HPRD:11720
hESC-1merge_in_peak_357	chr6	27560384	27560883	Intergenic	tRNA-Met-I [tRNA] tRNA	-101181	NR_038293	100507173	Hs.635987	NR_038292	
hESC-1merge_in_peak_385	chr6	28611026	28611525	Intergenic	tRNA-Ala-GCG [tRNA] tRNA	-56163	NR_052923	114821	Hs.176980	NM_052923	HPRD:11720
hESC-1merge_in_peak_381	chr6	28556953	28557452	Intergenic	tRNA-Gln-CAA [tRNA] tRNA	-2090	NR_052923	114821	Hs.176980	NM_052923	HPRD:11720
hESC-1merge_in_peak_261	chr4	49093742	49094241	Intergenic	[CATCT] Satellite [Satellite]	105332	NR_001286	80157	Hs.479703	NM_0025087	HPRD:08638
hESC-1merge_in_peak_173	chr16	22309589	22310088	intron (NM_001258035, intron)	MIR [SINE] MIR	11442	NR_001258	55718	Hs.460298	NM_001258	HPRD:15155
hESC-1merge_in_peak_97	chr11	59324751	59325250	Intergenic	tRNA-Phe-TTY [tRNA] tRNA	37631	NR_036120	100422880		NR_036120	
hESC-1merge_in_peak_270	chr5	72378654	72379153	intron (NM_001146032, intron)	AluY [SINE] Alu	-37485	NR_001161	134285	Hs.162246	NM_001161	HPRD:14057
hESC-1merge_in_peak_218	chr19	48407313	48407812	Intergenic	AluY [SINE] Alu	-3373	NR_004437	100126800	Hs.707967	NR_004437	
hESC-1merge_in_peak_125	chr14	21099086	21099585	Intergenic	tRNA-Thr-ACA [tRNA] tRNA	10515	NR_001001	341799	Hs.513132	NM_00101968	HPRD:17779
hESC-1merge_in_peak_110	chr12	98897073	98897572	intron (NR_038383, intron)	tRNA-Asp-GAY [tRNA] tRNA	311	NR_038383	643770	Hs.129589	NR_038383	ENSG00000245017
hESC-1merge_in_peak_451	chr8	96281653	96282152	promoter-TSS (NM_177965)	promoter-TSS (NM_177965)	-440	NR_177965	157657	Hs.548157	NR_177965	HPRD:14104
hESC-1merge_in_peak_230	chr19	50615425	50615924	promoter-TSS (NR_024228)	promoter-TSS (NR_024228)	71	NR_024226	100169955	Hs.723094	NR_024226	
hESC-1merge_in_peak_85	chr1	228781570	228782069	intron (NR_037962, intron)	CpG-2319	1162	NR_002834	574029	Hs.647774	NR_002834	
hESC-1merge_in_peak_75	chr1	228759198	228759697	Intergenic	CpG	-20947	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
hESC-1merge_in_peak_52	chr1	161425170	161425669	Intergenic	CpG	-49786	NR_021642	2212	Hs.352642	NM_021642	HPRD:09096
hESC-1merge_in_peak_447	chr7	158885171	158882070	intron (NM_003382, intron)	intron (NM_003382, intron)	55829	NR_003382	7434	Hs.580552	NM_003382	HPRD:03576
hESC-1merge_in_peak_67	chr1	204475428	204475927	Intergenic	tRNA-Lys-AAI [tRNA] tRNA	-9830	NR_001278	4194	Hs.497492	NM_002393	HPRD:04082
hESC-1merge_in_peak_12	chr1	34943280	34943779	Intergenic	MIR [SINE] MIR	-277119	NR_005268	2709	Hs.198249	NM_005268	HPRD:06840
hESC-1merge_in_peak_352	chr6	27520962	27521461	Intergenic	tRNA-Ser-TCY [tRNA] tRNA	-80314	NR_007149	7738	Hs.158174	NM_007149	HPRD:03785
hESC-1merge_in_peak_444	chr7	149361710	149362209	Intergenic	tRNA-Cys-TGY [tRNA] tRNA	-40078	NR_027789	79970	Hs.520785	NM_024910	HPRD:07791
hESC-1merge_in_peak_170	chr16	14379556	14380055	Intergenic	tRNA-Thr-ACG [tRNA] tRNA	-18019	NR_030177	574455</			

hESC-Imerge_insp_peak_8	chr1	17198997	17199396	Intergenic	CpG	-13630	NR_037446	100500876	NR_037446	miRBase:M10016076
hESC-Imerge_insp_peak_28	chr1	147775436	147775935	intron (NR_102404, intron 1)	intron (NR_102404, intron 1)	30993	NR_049810	100847044	NR_049810	
hESC-Imerge_insp_peak_20	chr1	145963071	145963570	intron (NR_104217, intron 1)	tRNA-Gln-CAG tRNA tRNA	-17843	NR_111936	100034743	Hs.696575	NR_003377
hESC-Imerge_insp_peak_296	chr6	26330303	26330802	Intergenic	tRNA-Met-[tRNA]	-34835	NR_001197	11118	Hs.376046	NR_007047
hESC-Imerge_insp_peak_402	chr6	28770369	28770868	Intergenic	tRNA-Ala-GCA tRNA tRNA	60836	NR_033379	401242	Hs.448285	NR_033379
hESC-Imerge_insp_peak_361	chr6	27598997	27599496	Intergenic	tRNA-Ile-ATA tRNA tRNA	-625689	NR_038293	100507173	Hs.635987	NR_038293
hESC-Imerge_insp_peak_153	chr15	80036776	80037275	Intergenic	tRNA-Cys-TGY tRNA tRNA	152314	NR_037654	10588	Hs.194294	NR_006441
hESC-Imerge_insp_peak_13	chr1	61523149	61523648	Intergenic	AluSq2 SINE Alu	-19548	NR_001145	4774	Hs.740757	NR_005595
hESC-Imerge_insp_peak_383	chr6	28574724	28575223	Intergenic	tRNA-Ala-GCY tRNA tRNA	-19861	NR_052923	114821	Hs.176980	NR_052923
hESC-Imerge_insp_peak_369	chr6	27688705	27689204	Intergenic	tRNA-Leu-TTA tRNA tRNA	27096	NR_038292	100507173	Hs.635987	NR_038292
hESC-Imerge_insp_peak_102	chr11	66189043	66189542	intron (NM_178864, intron 1)	CpG	817	NR_178864	266743	Hs.256036	NR_178864
hESC-Imerge_insp_peak_264	chr4	88284632	88285131	intron (NM_016245, intron 1)	MER41-int LTR ERV1	27574	NR_016245	51170	Hs.594923	NR_016245
hESC-Imerge_insp_peak_120	chr14	21077284	21077783	Intergenic	tRNA-Pro-CYC tRNA tRNA	-18551	NR_001024	493901	Hs.729466	NR_001024
hESC-Imerge_insp_peak_326	chr6	27064890	27065389	Intergenic	tRNA-Ser-AGY tRNA tRNA	35436	NR_021058	8970	Hs.591807	NR_021058
hESC-Imerge_insp_peak_293	chr6	26319076	26319575	Intergenic	Intergenic	-33598	NR_003543	8365	Hs.591790	NR_003543
hESC-Imerge_insp_peak_322	chr6	26773560	26774059	Intergenic	tRNA-Ala-GCY tRNA tRNA	-113829	NR_001242	79692	Hs.126280	NR_024639
hESC-Imerge_insp_peak_182	chr17	8022863	8023362	promoter-TSS (NM_001165)	promoter-TSS (NM_001165)	-878	NR_001165	59344	Hs.232770	NR_021628
hESC-Imerge_insp_peak_412	chr6	28912152	28912651	TTS (NR_103538).5	TTS (NR_103538).5	840	NR_103538	729583	Hs.453549	NR_103538
hESC-Imerge_insp_peak_456	chr9	66457928	66458427	intron (NR_121647, intron 1)	CpG	888	NR_121647	103352539	Hs.351215	NR_121647
hESC-Imerge_insp_peak_207	chr17	73029787	73030286	intron (NR_110835, intron 1)	tRNA-Arg-AGG tRNA tRNA	1374	NR_110835	23510	Hs.514468	NR_015353
hESC-Imerge_insp_peak_118	chr13	95201693	95202192	Intergenic	CpG	46569	NR_014305	23483	Hs.12393	NR_014305
hESC-Imerge_insp_peak_424	chr7	13872904	13873403	Intergenic	AluXs3 SINE Alu	-152986	NR_001163	2115	Hs.22634	NR_004956
hESC-Imerge_insp_peak_70	chr1	228748040	228748539	Intergenic	CpG	-32105	NR_037962	58480	Hs.647774	NR_021205
hESC-Imerge_insp_peak_348	chr6	27473375	27473874	Intergenic	tRNA-Ser-TCA tRNA tRNA	-32727	NR_007149	7738	Hs.158174	NR_007149
hESC-Imerge_insp_peak_164	chr16	3230348	32303937	Intergenic	tRNA-Lys-AGA tRNA tRNA	-23650	NR_012360	4992	Hs.664502	NR_012360
hESC-Imerge_insp_peak_50	chr1	161420260	161420759	Intergenic	CpG	-54696	NR_021642	2212	Hs.352642	NR_021642
hESC-Imerge_insp_peak_95	chr11	59319043	59319542	Intergenic	tRNA-Leu-TTA tRNA tRNA	36906	NR_001004	390199	Hs.553757	NR_001004
hESC-Imerge_insp_peak_124	chr14	21098378	21098877	Intergenic	tRNA-Tyr-TAC tRNA tRNA	11223	NR_001001	341799	Hs.513132	NR_001001
hESC-Imerge_insp_peak_24	chr1	147520528	147521027	Intergenic	tRNA-Asn-AAC tRNA tRNA	-33589	NR_111936	100034743	Hs.696575	NR_003377
hESC-Imerge_insp_peak_392	chr6	28673262	28673761	Intergenic	Intergenic	-132463	NR_052923	114821	Hs.176980	NR_052923
hESC-Imerge_insp_peak_414	chr6	28920806	28921305	Intergenic	tRNA-Met tRNA tRNA	9494	NR_103538	729583	Hs.453549	NR_103538
hESC-Imerge_insp_peak_80	chr1	228770420	228770919	Intergenic	CpG	-9725	NR_037962	58480	Hs.647774	NR_021205
hESC-Imerge_insp_peak_388	chr6	28641388	28641887	Intergenic	tRNA-Ala-GCG tRNA tRNA	-86525	NR_052923	114821	Hs.176980	NR_052923
hESC-Imerge_insp_peak_265	chr4	124429778	124430277	Intergenic	tRNA-Cys-TGY tRNA tRNA	109382	NR_005841	10252	Hs.744854	NR_005841
hESC-Imerge_insp_peak_418	chr6	52860339	52860838	promoter-TSS (NM_001512)	promoter-TSS (NM_001512)	-410	NR_001512	2941	Hs.485557	NR_001512
hESC-Imerge_insp_peak_362	chr6	27618468	27618967	Intergenic	tRNA-Val-GTY tRNA tRNA	-4309	NR_038293	100507173	Hs.635987	NR_038292
hESC-Imerge_insp_peak_109	chr12	96429593	96430092	promoter-TSS (NM_000895)	promoter-TSS (NM_000895)	-403	NR_000895	4048	Hs.524648	NR_000895
hESC-Imerge_insp_peak_272	chr5	14009678	14009177	promoter-TSS (NR_026703)	promoter-TSS (NR_026703)	66	NR_026703	56664	NR_026703	ENSG00000199990
hESC-Imerge_insp_peak_43	chr1	161369248	161369747	Intergenic	CpG	-31824	NR_001013	25717	Hs.534593	NR_001013
hESC-Imerge_insp_peak_98	chr11	59327598	59328097	Intergenic	tRNA-Lys-AAA tRNA tRNA	34784	NR_036120	100422880	NR_036120	
hESC-Imerge_insp_peak_159	chr16	3202680	3203179	Intergenic	tRNA-Arg-AGG tRNA tRNA	17795	NR_001134	7760	Hs.115284	NR_004420
hESC-Imerge_insp_peak_213	chr19	1383350	1383849	promoter-TSS (NM_024407)	promoter-TSS (NM_024407)	-284	NR_024407	374291	Hs.211914	NR_024407
hESC-Imerge_insp_peak_129	chr14	21131146	21131645	Intergenic	tRNA-Tyr-TAC tRNA tRNA	-20941	NR_001145	283	Hs.283749	NR_001145
hESC-Imerge_insp_peak_370	chr6	27694250	27694749	Intergenic	tRNA-Thr-ACC tRNA tRNA	32641	NR_038292	100507173	Hs.635987	NR_038292
hESC-Imerge_insp_peak_448	chr8	26046748	26047247	Intergenic	AluXs1 SINE Alu	-102010	NR_002717	5520	Hs.146339	NR_002717
hESC-Imerge_insp_peak_193	chr17	8129720	8130219	non-coding (NR_046431, exon 1)	non-coding (NR_046431, exon 1)	-2608	NR_026951	284029	Hs.121692	NR_176221
hESC-Imerge_insp_peak_157	chr16	686515	687014	promoter-TSS (NM_032366)	promoter-TSS (NM_032366)	-398	NR_109979	84326	Hs.239500	NR_032366
hESC-Imerge_insp_peak_146	chr15	40888812	40888311	promoter-TSS (NM_144508)	promoter-TSS (NM_144508)	-386	NR_170589	57082	Hs.181855	NR_144508
hESC-Imerge_insp_peak_132	chr14	21151966	21152465	promoter-TSS (NM_001145)	promoter-TSS (NM_001145)	-121	NR_001145	283	Hs.283749	NR_001145
hESC-Imerge_insp_peak_286	chr6	10523175	10523674	intron (NM_145649, intron 1)	AluSq2 SINE Alu	1856	NR_145649	2651	Hs.519884	NR_001491
hESC-Imerge_insp_peak_441	chr7	14924399	14924898	TTS (NR_027789)	TTS (NR_027789)	-48750	NR_152557	155061	Hs.24664	NR_152557
hESC-Imerge_insp_peak_372	chr6	27745459	27745958	Intergenic	tRNA-Met tRNA tRNA	16185	NR_038292	100131289	Hs.200573	NR_038292
hESC-Imerge_insp_peak_216	chr19	18392357	18392856	promoter-TSS (NR_036155)	promoter-TSS (NR_036155)	-140	NR_001286	3727	Hs.2780	NR_005354
hESC-Imerge_insp_peak_406	chr6	28892357	28892856	Intergenic	tRNA-Ala-GCY tRNA tRNA	25202	NR_033379	401242	Hs.448285	NR_033379
hESC-Imerge_insp_peak_318	chr6	26735318	26735817	Intergenic	Intergenic	-75587	NR_001242	79692	Hs.126280	NR_024639
hESC-Imerge_insp_peak_365	chr6	27640018	27640517	Intergenic	tRNA-Thr-TGC tRNA tRNA	-21547	NR_038293	100507173	Hs.635987	NR_038292
hESC-Imerge_insp_peak_302	chr6	26553506	26554005	Intergenic	tRNA-Ala-GCG tRNA tRNA	15183	NR_006353	10473	Hs.236774	NR_006353
hESC-Imerge_insp_peak_307	chr1	149664118	149664617	intron (NR_111957, intron 1)	tRNA-Glu-GAA tRNA tRNA	58450	NR_125392	101954268	NR_125392	
hESC-Imerge_insp_peak_307	chr6	26571890	26572389	Intergenic	tRNA-Ala-GCY tRNA tRNA	-25032	NR_013375	29777	Hs.254406	NR_013375
hESC-Imerge_insp_peak_71	chr1	228750286	228750785	Intergenic	CpG	-29859	NR_037962	58480	Hs.647774	NR_021205
hESC-Imerge_insp_peak_438	chr7	149052545	149053044	Intergenic	tRNA-Cys-TGY tRNA tRNA	70422	NR_036573	155060	Hs.490512	NR_015357
hESC-Imerge_insp_peak_162	chr16	3221826	3222325	Intergenic	tRNA-Pro-CCG tRNA tRNA	-32172	NR_012360	4992	Hs.664502	NR_012360
hESC-Imerge_insp_peak_51	chr1	161424139	161424638	Intergenic	CpG	-50817	NR_021642	2212	Hs.352642	NR_021642
hESC-Imerge_insp_peak_325	chr6	27059318	27059817	Intergenic	tRNA-Pro-CGG tRNA tRNA	41008	NR_021058	8970	Hs.591807	NR_021058
hESC-Imerge_insp_peak_281	chr5	180618468	180618967	intron (NR_108031, intron 1)	CpG-21583	191	NR_108031	102577426	Hs.273759	NR_108031
hESC-Imerge_insp_peak_68	chr1	222638149	222638648	Intergenic	tRNA-Thr-ACA tRNA tRNA	83046	NR_024746	79802	Hs.665660	NR_024746
hESC-Imerge_insp_peak_427	chr7	99067121	99067620	Intergenic	tRNA-Trp-TGG tRNA tRNA	-3145	NR_001013	285989	Hs.440384	NR_213603
hESC-Imerge_insp_peak_228	chr19	50607012	50607511	intron (NR_024215, intron 1)	promoter-TSS (NR_024215)	71	NR_024229	100170216	Hs.723094	NR_024229
hESC-Imerge_insp_peak_111	chr12	98897822	98898321	promoter-TSS (NR_038383)	promoter-TSS (NR_038383)	-438	NR_038383	643770	Hs.129589	NR_038383
hESC-Imerge_insp_peak_452	chr8	12227315	12227814	Intergenic	Intergenic	-3782035	NR_002835	594842	Hs.668686	NR_002835
hESC-Imerge_insp_peak_358	chr6	2750138	27501887	Intergenic	tRNA-Leu-TTG tRNA tRNA	-91427	NR_038293	100507173	Hs.635987	NR_038292
hESC-Imerge_insp_peak_219	chr19	48421457	48421956	promoter-TSS (NR_004436)	promoter-TSS (NR_004436)	20	NR_004435	100126798	Hs.579631	NR_004435
hESC-Imerge_insp_peak_246	chr2	206628532	206629031	intron (NM_003872, intron 1)	intron (NM_003872, intron 1)	81557	NR_02164	8828	Hs.471200	NR_003872
hESC-Imerge_insp_peak_25	chr1	147737139	147737638	intron (NR_102404, intron 1)	tRNA-Gln-CAG tRNA tRNA	-18046	NR_120331	101927468	Hs.515867	NR_120331
hESC-Imerge_insp_peak_171	chr16	22206818	22207317	Intergenic	tRNA-Leu-CTA tRNA tRNA	-10525	NR_013302	29904	Hs.498892	NR_013302
hESC-Imerge_insp_peak_121	chr14	21078091	21078590	Intergenic	tRNA-Leu-CYT tRNA tRNA	-19358	NR_001024	493901	Hs.729466	NR_001024
hESC-Imerge_insp_peak_212	chr19	1021332	1021381	promoter-TSS (NM_033420)	promoter-TSS (NM_033420)	60	NR_125730	103625684	NR_125730	
hESC-Imerge_insp_peak_473	chrY	438075	438574	Intergenic	L1MC4 LINE L1	-96755	NR_006883	6473	Hs.105932	NR_100570
hESC-Imerge_insp_peak_140	chr14	73429468	73429967	Intergenic	tRNA-Cys-TGY tRNA tRNA	23947	NR_178441	53349	Hs.335106	NR_012160
hESC-Imerge_insp_peak_252	chr3	45730257	45730756	promoter-TSS (NM_014016)	promoter-TSS (NM_014016)	-132	NR_033947	644714	Hs.712889	NR_033947
hESC-Imerge_insp_peak_154										

hESC-Imerge_insp_peak_400	chr6	28758287	28758786	Intergenic	tRNA-Phe-TTY tRNA tRNA	72918	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
hESC-Imerge_insp_peak_163	chr16	3225512	3226011	Intergenic	tRNA-Lys-AAG tRNA tRNA	-28486	NM_012360	4992	Hs.664502	NM_012360	HPRD:09125
hESC-Imerge_insp_peak_295	chr6	26327624	26328123	Intergenic	tRNA-Ser-TCY tRNA tRNA	-37514	NM_001197	11118	Hs.376046	NM_007047	HPRD:12547
hESC-Imerge_insp_peak_335	chr6	27247827	27248326	Intergenic	tRNA-Val-GGT tRNA tRNA	31935	NM_033482	94026	Hs.729955	NM_033482	ENSG00000158553
hESC-Imerge_insp_peak_178	chr16	71460193	71460692	Intergenic	tRNA-Met tRNA tRNA	35675	NM_145911	7571	Hs.656643	NM_145911	HPRD:01915
hESC-Imerge_insp_peak_244	chr2	131094481	131094980	TTS (NM_032357)	TTS (NM_032357)	5226	NM_032357	84317	Hs.102403	NM_032357	HPRD:14428
hESC-Imerge_insp_peak_419	chr6	58142387	58142886	Intergenic	tRNA-Ala-GCY tRNA tRNA	145088	NR_125729	375513	Hs.561539	NM_206908	HPRD:14428
hESC-Imerge_insp_peak_133	chr14	22025508	22026007	Intergenic	Intergenic	13118	NM_001005	26533	Hs.554581	NM_001005465	HPRD:14888
hESC-Imerge_insp_peak_201	chr17	37025336	37025835	promoter-TSS (NM_006148)	promoter-TSS (NM_006148)	-527	NR_073384	3927	Hs.741156	NM_006148	HPRD:04229
hESC-Imerge_insp_peak_141	chr14	75725691	75726190	Intergenic	CpG	-19541	NM_005252	2353	Hs.25647	NM_005252	HPRD:01275
hESC-Imerge_insp_peak_440	chr7	149112000	149112499	Intergenic	tRNA-Cys-TGY tRNA tRNA	45804	NM_015694	27153	Hs.38512	NM_015694	HPRD:13849
hESC-Imerge_insp_peak_194	chr17	9860109	9860608	intron (NM_201433, intron)	MIR SINE SINE	2408	NM_003644	8522	Hs.462214	NM_003644	HPRD:16011
hESC-Imerge_insp_peak_181	chr17	8022264	8022763	promoter-TSS (NM_001165)	promoter-TSS (NM_001165)	-279	NM_001165	59344	Hs.232770	NM_001165	HPRD:06231
hESC-Imerge_insp_peak_200	chr17	37023676	37024175	Intergenic	tRNA-Cys-TGY tRNA tRNA	-2187	NR_073384	3927	Hs.741156	NM_006148	HPRD:04229
hESC-Imerge_insp_peak_57	chr1	161438946	161439445	Intergenic	CpG	-36010	NM_021642	2212	Hs.352642	NM_021642	HPRD:00906
hESC-Imerge_insp_peak_66	chr1	167684512	167685011	Intergenic	tRNA-Pro-CYC tRNA tRNA	-6426	NM_024569	9019	Hs.493919	NM_003593	HPRD:05086
hESC-Imerge_insp_peak_294	chr6	263232849	26323348	Intergenic	tRNA-Arg-CGA tRNA tRNA	-37371	NM_003543	8365	Hs.591790	NM_003543	HPRD:11919
hESC-Imerge_insp_peak_263	chr4	49644675	49645174	Intergenic	GAATG SINE Satellite	656265	NM_001286	80157	Hs.479703	NM_002587	HPRD:08638
hESC-Imerge_insp_peak_371	chr6	27720954	27721453	Intergenic	tRNA-Val-GTY tRNA tRNA	-8320	NR_038929	100131289	Hs.200573	NR_038929	HPRD:03592
hESC-Imerge_insp_peak_457	chr9	66834149	66834648	Intergenic	ALR Alpha Satellite centr	-88569	NR_121570	101928381	Hs.708686	NR_121570	HPRD:03592
hESC-Imerge_insp_peak_399	chr6	28757327	28757826	Intergenic	tRNA-Ala-GCA tRNA tRNA	73878	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
hESC-Imerge_insp_peak_81	chr1	228772645	228773144	Intergenic	CpG	-7500	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
hESC-Imerge_insp_peak_309	chr6	26577909	26577589	Intergenic	tRNA-Tyr-TAC tRNA tRNA	-19832	NM_013375	29777	Hs.254406	NM_013375	HPRD:16469
hESC-Imerge_insp_peak_176	chr16	70812733	70813232	intron (NM_018052, intron)	tRNA-Gly-GGY tRNA tRNA	22079	NM_018052	55697	Hs.445061	NM_018052	HPRD:07660
hESC-Imerge_insp_peak_462	chr9	137029374	137029873	promoter-TSS (NR_023344)	promoter-TSS (NR_023344)	63	NR_023344	100151684	Hs.545589	NR_023344	ENSG000002021676
hESC-Imerge_insp_peak_273	chr5	140105580	140106079	promoter-TSS (NR_026705)	promoter-TSS (NR_026705)	85	NR_026705	56662	NR_026705	ENSG00000202515	HPRD:07660
hESC-Imerge_insp_peak_27	chr1	147774635	147775134	intron (NR_102404, intron)	tRNA-His-CAY tRNA tRNA	31794	NR_102404	100847044	NR_102404	NR_102404	HPRD:049810
hESC-Imerge_insp_peak_63	chr1	161582291	161582790	Intergenic	tRNA-Gly-GGA tRNA tRNA	6691	NR_024151	3311	Hs.662180	NR_024151	HPRD:07660
hESC-Imerge_insp_peak_145	chr15	26327164	26327663	Intergenic	tRNA-Glu-GAG tRNA tRNA	-33547	NR_038851	503519	Hs.371380	NR_038851	ENSG00000259150
hESC-Imerge_insp_peak_79	chr1	228768167	228768666	Intergenic	CpG	-11978	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
hESC-Imerge_insp_peak_208	chr17	73031015	73031514	intron (NR_110835, intron)	tRNA-Arg-CGG tRNA tRNA	2602	NR_110835	23510	Hs.514468	NM_015353	HPRD:17176
hESC-Imerge_insp_peak_397	chr6	28715311	28715810	Intergenic	tRNA-Lys-AAA tRNA tRNA	115894	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
hESC-Imerge_insp_peak_344	chr6	27447252	27447751	Intergenic	tRNA-Asp-GAY tRNA tRNA	-6604	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
hESC-Imerge_insp_peak_158	chr16	3200464	3200963	Intergenic	tRNA-Arg-CGG tRNA tRNA	15579	NM_011344	7760	Hs.115284	NM_004226	HPRD:12224
hESC-Imerge_insp_peak_334	chr6	27205105	27205604	Intergenic	tRNA-Ile-ATT tRNA tRNA	-10148	NM_005865	10279	Hs.274407	NM_005865	HPRD:06205
hESC-Imerge_insp_peak_44	chr1	161391672	161392171	Intergenic	tRNA-Glu-GAA tRNA tRNA	-54248	NM_001013	257177	Hs.534593	NM_001013625	HPRD:13257
hESC-Imerge_insp_peak_411	chr6	28911181	28911680	promoter-TSS (NR_103538)	promoter-TSS (NR_103538)	-131	NR_103538	729583	Hs.453549	NR_103538	HPRD:17695
hESC-Imerge_insp_peak_375	chr6	27870463	27870962	Intergenic	tRNA-Gly-GGY tRNA tRNA	9462	NM_033057	81697	Hs.307111	NM_033057	HPRD:17695
hESC-Imerge_insp_peak_336	chr6	27258200	27258699	Intergenic	tRNA-Val-GGT tRNA tRNA	21562	NM_033482	94026	Hs.729955	NM_033482	ENSG00000158553
hESC-Imerge_insp_peak_221	chr19	48426788	48427287	promoter-TSS (NR_024227)	promoter-TSS (NR_024227)	1	NR_024229	100170216	Hs.723094	NR_024229	HPRD:17817
hESC-Imerge_insp_peak_458	chr9	112467763	112468262	intron (NM_001037293, int)	MIR SINE SINE	64944	NM_001037	114299	Hs.591908	NR_024229	HPRD:17817
hESC-Imerge_insp_peak_167	chr16	3239436	3239935	Intergenic	tRNA-Pro-CYC tRNA tRNA	-14562	NM_012360	4992	Hs.664502	NM_012360	HPRD:09125
hESC-Imerge_insp_peak_354	chr6	27543651	27544150	Intergenic	tRNA-Lys-AAG tRNA tRNA	-103003	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
hESC-Imerge_insp_peak_139	chr14	58706384	58706883	Intergenic	tRNA-Lys-AAG tRNA tRNA	-4890	NM_002788	5684	Hs.558799	NM_002788	HPRD:01463
hESC-Imerge_insp_peak_445	chr7	149388060	149388559	Intergenic	tRNA-Cys-TGY tRNA tRNA	-23793	NM_025334	84626	Hs.299560	NM_025334	HPRD:11167
hESC-Imerge_insp_peak_359	chr6	27573211	27573710	Intergenic	tRNA-Leu-TGT tRNA tRNA	-88354	NR_038293	100507173	Hs.635987	NR_038292	HPRD:17728
hESC-Imerge_insp_peak_94	chr11	59317875	59318374	Intergenic	tRNA-Val-GAT tRNA tRNA	35738	NM_001004	390199	Hs.553757	NM_001004711	HPRD:17728
hESC-Imerge_insp_peak_257	chr3	190142282	190142781	Intergenic	AluSx1 SINE Alu	25134	NM_007316	131920	Hs.335321	NM_007316	HPRD:15621
hESC-Imerge_insp_peak_69	chr1	228745789	228746288	Intergenic	CpG	-34356	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
hESC-Imerge_insp_peak_423	chr7	23948	24447	Intergenic	L1MD3 LINE L1	-125521	NR_108065	100507642	Hs.557780	NR_108064	HPRD:06965
hESC-Imerge_insp_peak_134	chr14	23398722	23399221	promoter-TSS (NM_001282)	promoter-TSS (NM_001282)	153	NR_110002	101926933	Hs.727231	NR_110002	ENSG00000257285
hESC-Imerge_insp_peak_21	chr1	145978810	145979309	intron (NR_104217, intron)	tRNA-Asn-AAC tRNA tRNA	-33582	NR_111936	100034745	Hs.696575	NR_111936	ENSG00000215860
hESC-Imerge_insp_peak_209	chr17	80452365	80452864	Intergenic	tRNA-Met tRNA tRNA	-24980	NM_049514	3607	Hs.591140	NM_003577	HPRD:00982
hESC-Imerge_insp_peak_407	chr6	28832336	28831735	promoter-TSS (NR_033379)	promoter-TSS (NR_033379)	-31	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
hESC-Imerge_insp_peak_301	chr6	26538102	26538601	promoter-TSS (NM_006353)	promoter-TSS (NM_006353)	-231	NM_006353	10473	Hs.236774	NM_006353	HPRD:03592
hESC-Imerge_insp_peak_59	chr1	161493409	161493908	promoter-TSS (NM_002155)	promoter-TSS (NM_002155)	-378	NM_002155	3310	Hs.654614	NM_002155	HPRD:00775
hESC-Imerge_insp_peak_426	chr7	73157170	73157669	Intergenic	Intergenic	-4222	NM_001301	83451	Hs.647045	NM_148912	HPRD:15658
hESC-Imerge_insp_peak_254	chr3	131947732	131948231	Intergenic	tRNA-Cys-TGY tRNA tRNA	-88230	NM_010199	55	Hs.433060	NM_010199	HPRD:01378
hESC-Imerge_insp_peak_87	chr10	5895409	5895908	Intergenic	Intergenic	-35877	NM_001258	84893	Hs.498543	NM_032807	HPRD:06243
hESC-Imerge_insp_peak_339	chr6	27265566	27266065	Intergenic	tRNA-Ser-AGY tRNA tRNA	14196	NM_033482	94026	Hs.729955	NM_033482	ENSG00000158553
hESC-Imerge_insp_peak_220	chr19	48423324	48423823	Intergenic	L1MC4 LINE L1	1887	NR_004435	100126798	Hs.579631	NR_004435	HPRD:06243
hESC-Imerge_insp_peak_92	chr11	5246623	5246762	TTS (NM_000518)	TTS (NM_000518)	1789	NM_000518	3043	Hs.523443	NR_000518	HPRD:00786
hESC-Imerge_insp_peak_196	chr17	19411284	19411783	Intergenic	tRNA-Trp-TGG tRNA tRNA	-25634	NM_018242	55244	Hs.232054	NM_018242	HPRD:07703
hESC-Imerge_insp_peak_10	chr1	17215987	17216486	Intergenic	tRNA-Asn-AAC tRNA tRNA	-30720	NR_037446	100500876	NR_037446	miRBase:MI0016076	HPRD:07703
hESC-Imerge_insp_peak_205	chr17	66015792	66016291	Intergenic	tRNA-Arg-AGG tRNA tRNA	-15807	NM_002266	3838	Hs.594238	NM_002266	HPRD:02818
hESC-Imerge_insp_peak_382	chr6	28564911	28565410	Intergenic	tRNA-Ser-AGY tRNA tRNA	-10048	NM_025923	114821	Hs.176980	NM_025923	HPRD:11720
hESC-Imerge_insp_peak_341	chr6	27300545	27301044	Intergenic	tRNA-Met tRNA tRNA	8254	NR_045612	387316	Hs.326753	NM_032030	HPRD:11720
hESC-Imerge_insp_peak_390	chr6	28663480	28663979	Intergenic	tRNA-Ala-GCY tRNA tRNA	-108617	NM_025923	114821	Hs.176980	NM_025923	HPRD:11720
hESC-Imerge_insp_peak_144	chr14	105948161	105948660	Intergenic	Intergenic	4827	NR_073085	1397	Hs.534309	NM_001312	HPRD:03113
hESC-Imerge_insp_peak_172	chr16	22308264	22308763	promoter-TSS (NM_001258)	promoter-TSS (NM_001258)	-183	NM_018119	55718	Hs.462098	NM_018119	HPRD:15155
hESC-Imerge_insp_peak_239	chr19_g1000	91081	91580	NA	ALR Alpha Satellite centr	NA	NA	NA	NA	NA	HPRD:17489
hESC-Imerge_insp_peak_453	chr8	124169253	124169752	Intergenic	tRNA-Met tRNA tRNA	-21785	NM_007006	84985	Hs.379821	NM_032899	HPRD:17489
hESC-Imerge_insp_peak_439	chr7	149095161	149095660	Intergenic	tRNA-Cys-TGY tRNA tRNA	62643	NM_015694	27153	Hs.38512	NM_015694	HPRD:13849
hESC-Imerge_insp_peak_99	chr11	59333628	59334127	Intergenic	tRNA-Phe-TTY tRNA tRNA	28754	NR_036120	1004			

hESC-Imerge_inp_peak_304	chr6	2655278	2655577	Intergenic	tRNA-Pro-CYC [tRNA] tRNA	16955	NM_006353	10473	Hs.236774	NM_006353	
hESC-Imerge_inp_peak_260	chr4	7325522	7326021	intron (NM_020777, intron	MIRB [SINE] [MIR	13594	NR_039961	100616471		NR_039961	
hESC-Imerge_inp_peak_83	chr1	22877113	22877612	Intergenic	CpG	-3032	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
hESC-Imerge_inp_peak_401	chr6	28763513	28764012	Intergenic	tRNA-Ala-GCY [tRNA] tRNA	67692	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
hESC-Imerge_inp_peak_90	chr10	30145911	30146410	Intergenic	AluX4 [SINE] [Alu	-121430	NM_003174	6840	Hs.499209	NM_003174	HPRD:04992
hESC-Imerge_inp_peak_39	chr1	149683897	149684396	Intergenic	tRNA-Val-GGT [tRNA] tRNA	-70104	NM_000566	2209	Hs.77424	NM_000566	HPRD:00904
hESC-Imerge_inp_peak_353	chr6	27529783	27530282	Intergenic	tRNA-Arg-AGA [tRNA] tRNA	-89135	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
hESC-Imerge_inp_peak_330	chr6	27181389	27181888	Intergenic	tRNA-Arg-CGY [tRNA] tRNA	-33864	NM_005865	10279	Hs.274407	NM_005865	HPRD:06205
hESC-Imerge_inp_peak_314	chr6	26705386	26705885	Intergenic	tRNA-Ala-GCY [tRNA] tRNA	-45655	NM_001242	79692	Hs.126280	NM_001242	HPRD:02639
hESC-Imerge_inp_peak_333	chr6	27203076	27203575	Intergenic	tRNA-Val-GTY [tRNA] tRNA	-12177	NM_005865	10279	Hs.274407	NM_005865	HPRD:06205
hESC-Imerge_inp_peak_122	chr14	21081334	21081833	Intergenic	tRNA-Pro-CYC [tRNA] tRNA	-22601	NM_001024	493901	Hs.729466	NM_001024822	HPRD:18667
hESC-Imerge_inp_peak_31	chr1	148000609	148001108	intron (NR_102404, intron	tRNA-Asn-AAC [tRNA] tRNA	6712	NR_104086	101954277		NR_104086	
hESC-Imerge_inp_peak_298	chr6	26521227	26521726	promoter-TSS (NR_026790)	promoter-TSS (NR_026790)	-458	NR_026790	493812	Hs.272939	NR_026790	ENSG00000228223
hESC-Imerge_inp_peak_345	chr6	27463385	27463884	Intergenic	tRNA-Ser-TCT [tRNA] tRNA	-22737	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
hESC-Imerge_inp_peak_422	chr6	144537493	144537992	Intergenic	tRNA-Leu-TTA [tRNA] tRNA	60888	NM_003764	8676	Hs.118958	NM_003764	
hESC-Imerge_inp_peak_237	chr19	57149262	57149761	Intergenic	CpG	-5016	NM_001193	147670	Hs.336588	NM_001193628	
hESC-Imerge_inp_peak_443	chr7	149343857	149344356	Intergenic	tRNA-Cys-TGY [tRNA] tRNA	-22225	NR_027789	79370	Hs.520785	NM_027789	HPRD:07791
hESC-Imerge_inp_peak_251	chr3	42108039	42108538	Intergenic	Intergenic	-24458	NM_001042	22906	Hs.535711	NM_001042	HPRD:08732
hESC-Imerge_inp_peak_393	chr6	28693609	28694108	Intergenic	tRNA-Thr-ACG [tRNA] tRNA	137596	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
hESC-Imerge_inp_peak_41	chr1	153643520	153644019	promoter-TSS (NM_004515)	promoter-TSS (NM_004515)	-265	NM_004515	3608	Hs.75117	NM_004515	HPRD:04419
hESC-Imerge_inp_peak_199	chr17	37017696	37018195	Intergenic	tRNA-Cys-TGY [tRNA] tRNA	-7892	NM_000978	9349	Hs.406300	NM_000978	
hESC-Imerge_inp_peak_374	chr6	27763421	27763920	Intergenic	tRNA-Gln-CAA [tRNA] tRNA	12039	NM_003519	8340	Hs.137594	NM_003519	HPRD:11898
hESC-Imerge_inp_peak_319	chr6	26745029	26745528	Intergenic	tRNA-Ile-ATT [tRNA] tRNA	-85298	NM_001242	79692	Hs.126280	NM_001242	HPRD:02639
hESC-Imerge_inp_peak_215	chr19	6065691	6067090	intron (NM_000635, intron	intron (NM_000635, intron	43824	NM_000635	5990	Hs.465709	NM_000635	HPRD:00824
hESC-Imerge_inp_peak_65	chr1	167683742	167684241	Intergenic	tRNA-Pro-CGC [tRNA] tRNA	-7196	NM_024569	9019	Hs.493919	NM_024569	HPRD:05086
hESC-Imerge_inp_peak_469	chrX	18692793	18693292	Intergenic	tRNA-Val-GTA [tRNA] tRNA	-2819	NM_000330	6247	Hs.715725	NM_000330	HPRD:02426
hESC-Imerge_inp_peak_321	chr6	26766179	26766678	Intergenic	Intergenic	-106448	NM_001242	79692	Hs.126280	NM_001242	HPRD:02639
hESC-Imerge_inp_peak_168	chr16	3241769	3242268	Intergenic	tRNA-Pro-CYC [tRNA] tRNA	-12229	NM_012360	4992	Hs.664502	NM_012360	HPRD:09125
hESC-Imerge_inp_peak_408	chr6	28848959	28849458	Intergenic	tRNA-Arg-CGY [tRNA] tRNA	-15099	NR_104117	414760	Hs.211005	NR_104117	
hESC-Imerge_inp_peak_35	chr1	149294420	149294919	Intergenic	tRNA-Gly-GGG [tRNA] tRNA	7218	NR_119394	644634	Hs.723057	NR_119394	
hESC-Imerge_inp_peak_378	chr6	28456552	28457051	Intergenic	tRNA-Thr-ACG [tRNA] tRNA	26769	NM_182701	257202	Hs.448570	NM_182701	HPRD:12132
hESC-Imerge_inp_peak_211	chr19	893303	893802	promoter-TSS (NM_005481)	promoter-TSS (NM_005481)	68	NR_125730	103625684		NR_125730	
hESC-Imerge_inp_peak_45	chr1	161397653	161398152	Intergenic	tRNA-Asn-AAC [tRNA] tRNA	-60229	NM_001013	257177	Hs.534593	NM_001013625	HPRD:13257
hESC-Imerge_inp_peak_227	chr19	50605097	50605596	Intergenic	AluY5 [SINE] [Alu	-1018	NR_024422	100191063	Hs.723094	NR_024422	
hESC-Imerge_inp_peak_259	chr4	1421833	1422332	Intergenic	Intergenic	-21852	NM_001290	54729	Hs.526396	NM_001290979	
hESC-Imerge_inp_peak_470	chrX	47661858	47662357	Intergenic	MER8B-Int [LTR] ERV1	-34194	NM_007137	347344	Hs.114246	NM_007137	
hESC-Imerge_inp_peak_112	chr12	125406082	125406581	Intergenic	tRNA-Ala-GCG [tRNA] tRNA	6238	NR_049820	100847004		NR_049820	miRBase:MI0018167
hESC-Imerge_inp_peak_222	chr19	48437225	48437724	promoter-TSS (NR_004435)	promoter-TSS (NR_004435)	36	NR_004435	100126798	Hs.579631	NR_004435	
hESC-Imerge_inp_peak_267	chr4	191043641	191044140	Intergenic	(TTAGGG) [Simple_repeat]	58233	NR_121644	100419743		NR_121644	
hESC-Imerge_inp_peak_340	chr6	27271346	27271845	Intergenic	tRNA-Met-i [tRNA] tRNA	8416	NM_033482	94026	Hs.729955	NM_033482	ENSG00000158553
hESC-Imerge_inp_peak_135	chr14	32671250	32672649	promoter-TSS (NR_125730)	promoter-TSS (NR_125730)	76	NR_125730	103625684		NR_125730	
hESC-Imerge_inp_peak_195	chr17	17863379	17863878	intron (NM_001033551, int	MIRB [SINE] [MIR	12156	NM_001082	146691	Hs.462379	NM_001082	HPRD:18213
hESC-Imerge_inp_peak_324	chr6	26987947	26988446	promoter-TSS (NR_026776)	promoter-TSS (NR_026776)	-111	NR_026776	100270746	Hs.590428	NR_026776	
hESC-Imerge_inp_peak_88	chr10	22518221	22518720	Intergenic	tRNA-Asn-AAC [tRNA] tRNA	-19558	NM_001199	340900	Hs.450519	NM_001199938	ENSG00000223601
hESC-Imerge_inp_peak_300	chr6	26537533	26538032	promoter-TSS (NM_006353)	promoter-TSS (NM_006353)	-790	NM_006353	10473	Hs.236774	NM_006353	
hESC-Imerge_inp_peak_262	chr4	49637821	49637870	Intergenic	(GAATG) [Satellite] [Satellite	648871	NM_001286	80157	Hs.479703	NM_001286	HPRD:08638
hESC-Imerge_inp_peak_126	chr14	21100961	21101460	Intergenic	tRNA-Pro-CCA [tRNA] tRNA	8640	NM_001001	341799	Hs.513132	NM_001001968	HPRD:17779
hESC-Imerge_inp_peak_202	chr17	37309767	37310266	Intergenic	tRNA-Cys-TGY [tRNA] tRNA	-2114	NM_024005	57125	Hs.125036	NM_024005	HPRD:08439
hESC-Imerge_inp_peak_386	chr6	28615751	28616250	Intergenic	tRNA-Thr-ACG [tRNA] tRNA	-60888	NM_052923	114821	Hs.176980	NM_052923	HPRD:11720
hESC-Imerge_inp_peak_60	chr1	161499922	161500421	Intergenic	tRNA-Leu-CTG [tRNA] tRNA	6135	NM_021155	3310	Hs.654614	NM_021155	HPRD:00775
hESC-Imerge_inp_peak_53	chr1	161427710	161428209	Intergenic	CpG	-47246	NM_021642	2212	Hs.352642	NM_021642	HPRD:00906
hESC-Imerge_inp_peak_234	chr19	50638616	50639115	promoter-TSS (NR_024230)	promoter-TSS (NR_024230)	66	NR_024230	100170217	Hs.723095	NR_024230	
hESC-Imerge_inp_peak_454	chr9	14433720	14434219	Intergenic	tRNA-His-CAY [tRNA] tRNA	-34987	NM_001190	4781	Hs.644095	NM_001190	HPRD:09008
hESC-Imerge_inp_peak_73	chr1	228754765	228755264	Intergenic	CpG	-25380	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
hESC-Imerge_inp_peak_420	chr6	58149042	58149541	Intergenic	tRNA-Ile-ATT [tRNA] tRNA	138433	NR_125730	375513	Hs.561530	NM_125730	
hESC-Imerge_inp_peak_61	chr1	161506961	16150190	Intergenic	tRNA-Gly-GGA [tRNA] tRNA	6904	NM_021155	3310	Hs.654614	NM_021155	HPRD:00775
hESC-Imerge_inp_peak_436	chr7	149007076	149007575	Intergenic	tRNA-Cys-TGY [tRNA] tRNA	24953	NR_036573	155060	Hs.490512	NR_036573	HPRD:17309
hESC-Imerge_inp_peak_49	chr1	161417805	161418304	Intergenic	CpG	-57151	NM_021642	2212	Hs.352642	NM_021642	HPRD:00906
hESC-Imerge_inp_peak_214	chr19	4723876	4724375	promoter-TSS (NM_139159)	promoter-TSS (NM_139159)	-270	NM_139159	91039	Hs.515081	NM_139159	HPRD:07001
hESC-Imerge_inp_peak_363	chr6	27636174	27636673	Intergenic	tRNA-Ile-ATT [tRNA] tRNA	-25391	NR_038293	100507173	Hs.635987	NR_038293	
hESC-Imerge_inp_peak_22	chr1	146544575	146545074	Intergenic	tRNA-His-CAY [tRNA] tRNA	11479	NR_121645	101447996		NR_121645	HPRD:08494
hESC-Imerge_inp_peak_138	chr14	50329207	50329706	Intergenic	7SLRNA [srpRNA] [srpRNA	-9917	NM_004713	9147	Hs.655964	NM_004713	HPRD:08494
hESC-Imerge_inp_peak_279	chr5	180614508	180615007	Intergenic	tRNA-Leu-CYT [tRNA] tRNA	4151	NR_108031	102577426	Hs.277359	NR_108031	
hESC-Imerge_inp_peak_431	chr7	148199098	148199597	Intergenic	AluSc8 [SINE] [Alu	-88310	NM_145304	202865	Hs.352212	NM_145304	HPRD:12921
hESC-Imerge_inp_peak_337	chr6	27261464	27261963	Intergenic	tRNA-Ile-ATT [tRNA] tRNA	18298	NM_033482	94026	Hs.729955	NM_033482	ENSG00000158553
hESC-Imerge_inp_peak_231	chr19	50620782	50621281	promoter-TSS (NR_024228)	promoter-TSS (NR_024228)	66	NR_024223	100169952	Hs.723094	NR_024223	
hESC-Imerge_inp_peak_299	chr6	26532902	26533401	Intergenic	tRNA-Thr-ACY [tRNA] tRNA	-5421	NM_006353	10473	Hs.236774	NM_006353	
hESC-Imerge_inp_peak_184	chr17	8028852	8029351	Intergenic	tRNA-Gly-GGG [tRNA] tRNA	-1691	NM_011655	84667	Hs.434828	NM_032580	HPRD:09729
hESC-Imerge_inp_peak_446	chr7	149404541	149405040	Intergenic	tRNA-Cys-TGY [tRNA] tRNA	-7312	NM_032534	84626	Hs.299560	NM_032534	HPRD:11167
hESC-Imerge_inp_peak_287	chr6	26286539	26287038	Intergenic	tRNA-Met-i [tRNA] tRNA	-1061	NM_003543	8365	Hs.591790	NM_003543	HPRD:11919
hESC-Imerge_inp_peak_180	chr16	87417406	87417905	promoter-TSS (NM_024735)	promoter-TSS (NM_024735)	-256	NM_024735	79791	Hs.567582	NM_024735	
hESC-Imerge_inp_peak_86	chr1	249167589	249168358	Intergenic	tRNA-Leu-TTG [tRNA] tRNA	-14793	NM_001193	55657	Hs.377705	NM_001193	HPRD:07922
hESC-Imerge_inp_peak_460	chr9	126655294	126655793	intron (NM_020946, intron	MIR [SINE] [MIR	36874	NM_020946	57706	Hs.744995	NM_020946	HPRD:17221
hESC-Imerge_inp_peak_11	chr1	24515143	24515642	Intergenic	AluX1 [SINE] [Alu	-1627	NM_173064	163702	Hs.213713	NM_173064	HPRD:09589
hESC-Imerge_inp_peak_123	chr14	21093358	21093857	Intergenic	tRNA-Leu-CTA [tRNA] tRNA	16243	NM_001001	341799	Hs.513132	NM_001001968	HPRD:17779
hESC-Imerge_inp_peak_82	chr1	228774871	228775370	Intergenic	CpG	-5274	NR_037962	58480	Hs.6		

Supplementary Table 7

PeakID (cmd=annotatPeaks.pl hESC-3merge_in	Chr	Start	End	Annotation	Detailed Annotation	Distance to TSS	Nearest Promoter	Entrez ID	Nearest Unigene	Nearest Refseq	Nearest Ensembl
hESC-3merge_in_peak_302	chr6	28715308	28715807	Intergenic	IRNA-Lys-AAA [RNA] [RNA]	-115897	NR_033379	401242	Hs.448285	NR_033379	ENSG0000022595
hESC-3merge_in_peak_144	chr17	8023422	8023921	TTS (NM_032580)	TTS (NM_032580)	-1437	NR_001165	59344	Hs.232770	NR_001165	HPRD:06231
hESC-3merge_in_peak_342	chr8	124169257	124169756	Intergenic	IRNA-Met [RNA] [RNA]	-21791	NM_027006	84985	Hs.379821	NM_027006	HPRD:17489
hESC-3merge_in_peak_128	chr6	2747620	27477175	Intergenic	IRNA-TTG [RNA] [RNA]	-30038	NR_033379	401242	Hs.448285	NR_033379	HPRD:03785
hESC-3merge_in_peak_269	chr6	27573202	27573701	Intergenic	IRNA-Leu-TG [RNA] [RNA]	-88363	NR_033923	100507173	Hs.635987	NR_033923	HPRD:03785
hESC-3merge_in_peak_345	chr9	124082427	124082746	intron (NM_001127662, intron 5)	intron (NM_001127662, intron 5)	20417	NM_001177	2934	Hs.523273	NM_001177	HPRD:00674
hESC-3merge_in_peak_27	chr1	153643505	153644004	promoter-TSS (NM_004515)	promoter-TSS (NM_004515)	-250	NM_004515	3608	Hs.75117	NM_004515	HPRD:04419
hESC-3merge_in_peak_257	chr6	27463451	27463950	Intergenic	Intergenic	-22803	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
hESC-3merge_in_peak_31	chr1	161412883	161413382	Intergenic	CpG	-62073	NM_021642	2212	Hs.352642	NM_021642	HPRD:09006
hESC-3merge_in_peak_108	chr14	23398702	23399201	promoter-TSS (NM_001282953)	promoter-TSS (NM_001282953)	133	NR_110002	101926933	Hs.727321	NR_110002	ENSG00000257285
hESC-3merge_in_peak_189	chr3	131947220	131948219	Intergenic	IRNA-Cys-TG [RNA] [RNA]	-48242	NM_001099	55	Hs.433060	NM_001099	HPRD:01378
hESC-3merge_in_peak_7	chr1	17198800	17199399	Intergenic	CpG	-13593	NR_037446	100500876	Hs.492203	NR_037446	miRBase:MI0016076
hESC-3merge_in_peak_199	chr5	1293699	1294198	exon (NM_001193376, exon 2)	exon (NM_001193376, exon 2)	1214	NM_198253	7015	Hs.492203	NM_198253	HPRD:01754
hESC-3merge_in_peak_119	chr15	45492385	45492884	intron (NM_138356, intron 1)	IRNA-His-CAY [RNA] [RNA]	739	NM_138356	9025	Hs.130399	NM_138356	HPRD:14274
hESC-3merge_in_peak_96	chr14	21078111	210781610	Intergenic	IRNA-Leu-CY [RNA] [RNA]	-19378	NM_010244	493901	Hs.729466	NM_010244	HPRD:18667
hESC-3merge_in_peak_129	chr16	3239423	3239922	Intergenic	IRNA-Pro-CYC [RNA] [RNA]	-14575	NM_012360	4992	Hs.664502	NM_012360	HPRD:09125
hESC-3merge_in_peak_322	chr7	23950	24449	Intergenic	L1MD3 [LINE] [L1]	-125519	NR_108065	100507642	Hs.557780	NR_108064	
hESC-3merge_in_peak_276	chr6	27652322	276527321	Intergenic	IRNA-Thr-ACY [RNA] [RNA]	-9332	NR_038293	100507173	Hs.635987	NR_038292	
hESC-3merge_in_peak_189	chr15	26327142	26327641	Intergenic	IRNA-Glu-GAG [RNA] [RNA]	-33569	NR_038551	503519	Hs.371380	NR_038551	ENSG000002259150
hESC-3merge_in_peak_115	chr15	45493136	45493635	promoter-TSS (NM_138356)	promoter-TSS (NM_138356)	12	NM_138356	9025	Hs.130399	NM_138356	HPRD:14272
hESC-3merge_in_peak_316	chr6	28918596	28919095	Intergenic	IRNA-Lys-AAA [RNA] [RNA]	7284	NR_103538	729583	Hs.453549	NR_103538	
hESC-3merge_in_peak_175	chr19	1893245	1893244	promoter-TSS (NR_036155)	promoter-TSS (NR_036155)	-128	NM_001286	3727	Hs.2780	NM_001286	HPRD:01304
hESC-3merge_in_peak_58	chr1	228770406	228770905	Intergenic	CpG	-9739	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
hESC-3merge_in_peak_314	chr6	28912124	28912623	TTS (NR_103538)_5	TTS (NR_103538)_5	812	NR_103538	729583	Hs.453549	NR_103538	
hESC-3merge_in_peak_299	chr6	28696877	28697376	Intergenic	IRNA-Ala-GCY [RNA] [RNA]	134238	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
hESC-3merge_in_peak_248	chr6	27247837	27248336	Intergenic	IRNA-Val-GTG [RNA] [RNA]	31925	NM_033482	94026	Hs.729955	NM_033482	ENSG00000158553
hESC-3merge_in_peak_306	chr1	933327	933376	intron (NM_001282587, intron 1)	IRNA-Ala-GCY [RNA] [RNA]	20663	NR_033379	401242	Hs.448285	NR_033379	HPRD:00681
hESC-3merge_in_peak_170	chr19	1383860	1383859	promoter-TSS (NM_024407)	promoter-TSS (NM_024407)	-274	NM_024407	374293	Hs.211914	NM_024407	
hESC-3merge_in_peak_83	chr12	6041368	6041867	intron (NM_001278597, G-rich)	IRNA-GA-rich [Low complexity] [Low c.	12808	NM_001278	57101	Hs.148970	NM_001278	HPRD:11634
hESC-3merge_in_peak_181	chr2	27273454	27273953	promoter-TSS (NM_021831)	promoter-TSS (NM_021831)	-572	NR_046730	100874031	Hs.132725	NR_046730	
hESC-3merge_in_peak_133	chr16	22308267	22308766	promoter-TSS (NM_001258034)	promoter-TSS (NM_001258034)	-180	NM_018119	55718	Hs.460298	NM_018119	HPRD:15155
hESC-3merge_in_peak_18	chr1	147825484	147825983	intron (NR_102404, intron 2)	IRNA-Gln-CAG [RNA] [RNA]	-19055	NR_049810	100847044	Hs.460298	NR_049810	
hESC-3merge_in_peak_311	chr6	28863819	28864318	promoter-TSS (NR_104117)	promoter-TSS (NR_104117)	-239	NR_104117	414760	Hs.211005	NR_104117	
hESC-3merge_in_peak_164	chr17	73029720	73030219	intron (NR_110895, intron 1 of 2)	intron (NR_110895, intron 1 of 2)	1307	NR_110895	25510	Hs.514468	NM_015533	HPRD:17176
hESC-3merge_in_peak_306	chr6	28763462	28764021	Intergenic	IRNA-Ala-GCY [RNA] [RNA]	6765	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
hESC-3merge_in_peak_253	chr6	27305400	27305939	Intergenic	IRNA-Met [RNA] [RNA]	8249	NR_045612	387316	Hs.326753	NM_032030	
hESC-3merge_in_peak_125	chr16	686502	687001	promoter-TSS (NM_033266)	promoter-TSS (NM_033266)	-385	NR_109979	84326	Hs.239500	NM_032366	HPRD:17482
hESC-3merge_in_peak_156	chr17	36907797	36908296	promoter-TSS (NM_002795)	promoter-TSS (NM_002795)	-920	NR_104194	5691	Hs.82793	NM_002795	HPRD:03709
hESC-3merge_in_peak_247	chr6	27205117	27205616	Intergenic	IRNA-Ile-ATT [RNA] [RNA]	-10136	NM_005865	10279	Hs.274407	NM_005865	HPRD:06205
hESC-3merge_in_peak_254	chr6	27302565	27303064	Intergenic	IRNA-Lys-AAA [RNA] [RNA]	10274	NR_045612	387316	Hs.326753	NM_032030	
hESC-3merge_in_peak_66	chr10	22518230	22518729	Intergenic	IRNA-Asn-AC [RNA] [RNA]	-19567	NM_001199	340900	Hs.450519	NM_001199938	ENSG00000223601
hESC-3merge_in_peak_303	chr6	28725942	28726441	Intergenic	IRNA-Ala-GCA [RNA] [RNA]	105263	NR_033379	401242	Hs.448285	NR_033379	ENSG00000225595
hESC-3merge_in_peak_296	chr6	28633462	28633961	Intergenic	IRNA-Ala-GCY [RNA] [RNA]	108599	NM_052923	11482	Hs.176980	NM_052923	HPRD:11720
hESC-3merge_in_peak_218	chr6	26322866	26323365	Intergenic	IRNA-Arg-CGA [RNA] [RNA]	97388	NM_003543	8365	Hs.591790	NM_003543	HPRD:11919
hESC-3merge_in_peak_74	chr11	59323667	59324166	Intergenic	IRNA-Lys-AAA [RNA] [RNA]	38715	NR_036120	100422880	Hs.036120	NR_036120	
hESC-3merge_in_peak_143	chr17	8022269	8022768	promoter-TSS (NM_001165960)	promoter-TSS (NM_001165960)	-284	NM_001165	59344	Hs.232770	NM_001165	HPRD:06231
hESC-3merge_in_peak_140	chr16	83983941	83984440	Intergenic	Intergenic	-2637	NM_182981	29948	Hs.128055	NM_183770	HPRD:06412
hESC-3merge_in_peak_122	chr15	79152714	79153213	Intergenic	IRNA-Lys-AAG [RNA] [RNA]	-12160	NM_001265	10933	Hs.374503	NM_006791	HPRD:09532
hESC-3merge_in_peak_67	chr10	23285991	23286490	intron (NM_173081, intron 5)	SI [RNA] [RNA]	69287	NM_001282	219681	Hs.659807	NM_173081	HPRD:12487
hESC-3merge_in_peak_171	chr19	4723864	4724363	promoter-TSS (NM_139159)	promoter-TSS (NM_139159)	-258	NM_139159	91039	Hs.515081	NM_139159	HPRD:07001
hESC-3merge_in_peak_215	chr6	2629697	2630186	Intergenic	IRNA-Arg-CGA [RNA] [RNA]	-14209	NM_03543	8365	Hs.591790	NM_03543	HPRD:11919
hESC-3merge_in_peak_52	chr1	228756974	228757473	Intergenic	CpG	-23171	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
hESC-3merge_in_peak_243	chr6	27144743	27145242	Intergenic	Intergenic	29587	NR_036096	100422934	Hs.036096	miRBase:MI0014167	
hESC-3merge_in_peak_126	chr16	3200449	3200948	Intergenic	IRNA-Arg-CGG [RNA] [RNA]	15564	NM_001134	7760	Hs.115284	NM_004220	HPRD:12224
hESC-3merge_in_peak_86	chr12	98897062	98897561	intron (NR_038383, intron 1)	IRNA-Asp-GAY [RNA] [RNA]	322	NR_038383	643770	Hs.129589	NR_038383	ENSG00000245017
hESC-3merge_in_peak_333	chr7	149332573	149333072	Intergenic	IRNA-Cys-TG [RNA] [RNA]	-10941	NR_027789	79970	Hs.520785	NM_024210	HPRD:07791
hESC-3merge_in_peak_184	chr2	131094500	131094999	TTS (NM_032357)	TTS (NM_032357)	5207	NM_032357	84317	Hs.104203	NM_032357	HPRD:14428
hESC-3merge_in_peak_38	chr1	161438938	161439437	Intergenic	CpG	-36018	NM_021642	2212	Hs.352642	NM_021642	HPRD:09006
hESC-3merge_in_peak_50	chr16	5731261	5731760	Intergenic	IRNA-Leu-CTG [RNA] [RNA]	7235	NR_111924	54960	Hs.623215	NR_111924	HPRD:11854
hESC-3merge_in_peak_30	chr1	228752517	228753016	Intergenic	CpG	-27628	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
hESC-3merge_in_peak_208	chr5	180618477	180618976	intron (NR_108031, intron 1)	CpG-21583	182	NR_108031	102577426	Hs.277359	NR_108031	
hESC-3merge_in_peak_111	chr14	58706393	58706892	Intergenic	IRNA-Lys-AAG [RNA] [RNA]	-4881	NM_002788	5684	Hs.558799	NM_002788	HPRD:01463
hESC-3merge_in_peak_47	chr1	228745802	228746301	Intergenic	CpG	-34343	NR_037962	58480	Hs.647774	NM_021205	HPRD:06965
hESC-3merge_in_peak_75	chr11	59327590	59328089	Intergenic	IRNA-Lys-AAA [RNA] [RNA]	34792	NR_036120	100422880	Hs.036120	NR_036120	
hESC-3merge_in_peak_263	chr6	27520993	27521492	Intergenic	IRNA-Ser-CYT [RNA] [RNA]	-80345	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
hESC-3merge_in_peak_160	chr17	37309767	37310266	Intergenic	IRNA-Cys-TG [RNA] [RNA]	2114	NM_004605	57235	Hs.125036	NM_004605	HPRD:08439
hESC-3merge_in_peak_210	chr1	14923447	14923946	Intergenic	IRNA-Gly-GGC [RNA] [RNA]	7235	NR_111924	54960	Hs.623215	NR_111924	HPRD:11854
hESC-3merge_in_peak_174	chr19	6066565	6067064	intron (NM_000635, intron 1 of 2)	intron (NM_000635, intron 1 of 2)	43850	NM_000635	64905	Hs.465709	NM_000635	HPRD:00824
hESC-3merge_in_peak_91	chr13	31247889	31248388	Intergenic	IRNA-Asn-AC [RNA] [RNA]	-39477	NM_001204	241	Hs.507658	NM_001269	HPRD:04742
hESC-3merge_in_peak_278	chr6	27694251	27694750	Intergenic	IRNA-Thr-ACY [RNA] [RNA]	32642	NR_038292	100507173	Hs.635987	NR_038292	
hESC-3merge_in_peak_261	chr6	27513264	27513763	Intergenic	IRNA-Ser-TCA [RNA] [RNA]	-72616	NM_007149	7738	Hs.158174	NM_007149	HPRD:03785
hESC-3merge_in_peak_37	chr1	161435061	161435560	Intergenic	CpG	-38995	NM_021642	2212	Hs.352642	NM_021642	HPRD:09006
hESC-3merge_in_peak_272	chr6	27618491	27618990	Intergenic	IRNA-Val-GTY [RNA] [RNA]	-43074	NR_038293	100507173	Hs.635987	NR_038292	
hESC-3merge_in_peak_238	chr6</										

HESC-3merge_insp_peak_289	chr6	2856949	2855748	Intergenic	IRNA-Gln-CAA [RNA] [RNA]	-2086	NM_052923	114821	Hs.176980	NM_052923	HPHD:17120
HESC-3merge_insp_peak_28	chr1	16136966	161369765	Intergenic	CpG	-31842	NM_001013	257177	Hs.534593	NM_001013625	HPHD:13257
HESC-3merge_insp_peak_205	chr5	18060835	180601334	Intergenic	IRNA-Leu-CTY [RNA] [RNA]	17824	NR_108031	102577426	Hs.273759	NR_108031	HPHD:06930
HESC-3merge_insp_peak_232	chr3	16949303	16949303	Promoter-TSS (NR_03370)	IRNA-Gln-CAG [RNA] [RNA]	-7588	NM_003633	10473	Hs.236774	NM_003633	HPHD:06930
HESC-3merge_insp_peak_6	chr1	17188187	17188676	Intergenic	IRNA-Gly-CGG [RNA] [RNA]	-2920	NR_037446	10050076	Hs.027446	NR_037446	mIRBase:MI0016076
HESC-3merge_insp_peak_275	chr6	27640021	27640520	Intergenic	IRNA-Ser-TCG [RNA] [RNA]	-21544	NR_038293	10050173	Hs.635987	NR_038292	HPHD:06965
HESC-3merge_insp_peak_305	chr6	28758287	28758786	Intergenic	IRNA-Phe-TY [RNA] [RNA]	72918	NR_033379	401242	Hs.448285	NR_033379	HPHD:06965
HESC-3merge_insp_peak_230	chr6	26571861	26572360	Intergenic	IRNA-Ala-GCY [RNA] [RNA]	-25061	NM_013375	29777	Hs.254406	NM_013375	HPHD:16469
HESC-3merge_insp_peak_54	chr1	228761442	228761941	Intergenic	CpG	-18703	NR_037962	58480	Hs.647774	NM_021205	HPHD:06965
HESC-3merge_insp_peak_325	chr7	128423285	128423784	Intergenic	IRNA-Pro-CCY [RNA] [RNA]	-7690	NM_001708	611	Hs.656404	NM_001708	HPHD:01836
HESC-3merge_insp_peak_260	chr6	27487004	27487583	Intergenic	IRNA-Gln-CAG [RNA] [RNA]	-46436	NM_007149	7738	Hs.158174	NM_007149	HPHD:03785
HESC-3merge_insp_peak_195	chr6	26554143	26554642	Intergenic	IRNA-Ile-ATT [RNA] [RNA]	15820	NM_006353	10473	Hs.236774	NM_006353	HPHD:06965
HESC-3merge_insp_peak_225	chr4	19023948	19023047	Intergenic	CpG	-350563	NR_121679	101928971	Hs.531964	NR_121679	ENSG00000250739
HESC-3merge_insp_peak_78	chr11	66189019	66189518	Intron (NM_178864, intron 3)	IRNA-Cys-TGY [RNA] [RNA]	793	NR_178864	266743	Hs.256036	NM_178864	HPHD:12260
HESC-3merge_insp_peak_211	chr5	18064503	180645552	Intergenic	IRNA-Val-GTY [RNA] [RNA]	4331	NR_039781	10061642	Hs.039781	mIRBase:MI0017265	HPHD:17779
HESC-3merge_insp_peak_102	chr14	21121057	21121556	Intergenic	IRNA-Tyr-TAC [RNA] [RNA]	-11456	NM_001001	341799	Hs.513132	NM_001001968	HPHD:17779
HESC-3merge_insp_peak_300	chr6	28072995	28073494	Intergenic	IRNA-Ala-GCY [RNA] [RNA]	128210	NR_033379	401242	Hs.448285	NR_033379	ENSG0000025595
HESC-3merge_insp_peak_79	chr11	68227403	68227902	Promoter-TSS (NM_00116)	Promoter-TSS (NM_00116)	-534	NM_001164	56291	Hs.503022	NM_001164	HPHD:10703
HESC-3merge_insp_peak_39	chr1	161493427	161493926	Promoter-TSS (NM_002155)	Promoter-TSS (NM_002155)	-360	NM_02155	3310	Hs.654614	NM_02155	HPHD:00775
HESC-3merge_insp_peak_112	chr14	73429449	73429948	Intergenic	IRNA-Cys-TGY [RNA] [RNA]	23966	NM_178441	5340	Hs.335106	NM_021260	HPHD:12017
HESC-3merge_insp_peak_136	chr16	70812719	70813218	Intron (NM_018052, intron 3)	IRNA-Gly-GGY [RNA] [RNA]	22093	NM_018052	55697	Hs.445061	NM_018052	HPHD:07660
HESC-3merge_insp_peak_69	chr10	69524072	69524571	Intergenic	IRNA-Ser-TCG [RNA] [RNA]	-68372	NM_013266	29119	Hs.21375	NM_013266	HPHD:09639
HESC-3merge_insp_peak_242	chr6	27129880	27130349	Intergenic	IRNA-Thr-ACY [RNA] [RNA]	14694	NR_036096	100422934	Hs.036096	mIRBase:MI0014167	HPHD:06965
HESC-3merge_insp_peak_80	chr11	75946636	75947135	Intergenic	CpG	-29311	NM_004626	7481	Hs.108219	NM_004626	HPHD:04741
HESC-3merge_insp_peak_124	chr15	89878104	89878603	Promoter-TSS (NM_001126131)	Promoter-TSS (NM_001126131)	-327	NM_002693	5428	Hs.706868	NM_002693	HPHD:01438
HESC-3merge_insp_peak_262	chr6	27515289	27515788	Intergenic	IRNA-Gln-CAG [RNA] [RNA]	-74641	NM_007149	7738	Hs.158174	NM_007149	HPHD:03785
HESC-3merge_insp_peak_283	chr6	27870462	27870961	Intergenic	IRNA-Gly-CGG [RNA] [RNA]	9663	NM_03057	81697	Hs.307111	NM_03057	HPHD:17695
HESC-3merge_insp_peak_117	chr5	2670154	26702042	Intergenic	Intergenic	-41812	NR_0969	79693	Hs.136280	NR_0969	HPHD:06965
HESC-3merge_insp_peak_34	chr1	16142155	16142454	Intergenic	CpG	-50801	NM_021642	2212	Hs.352642	NM_021642	HPHD:09006
HESC-3merge_insp_peak_150	chr17	8124660	8125159	Intron (NR_026951, intron 3)	CpG	2452	NR_026951	284029	Hs.121692	NM_173621	HPHD:08755
HESC-3merge_insp_peak_222	chr6	26529317	26533416	Intergenic	IRNA-Thr-ACY [RNA] [RNA]	-5406	NM_006353	10473	Hs.236774	NM_006353	HPHD:06965
HESC-3merge_insp_peak_141	chr16	87417401	87417900	Promoter-TSS (NM_024735)	Promoter-TSS (NM_024735)	-251	NM_024735	79791	Hs.567582	NM_024735	HPHD:17779
HESC-3merge_insp_peak_179	chr19	54370563	54371062	Promoter-TSS (NM_001290190)	Promoter-TSS (NM_001290190)	-307	NM_001290	91663	Hs.380906	NM_138373	HPHD:14792
HESC-3merge_insp_peak_10	chr1	14539307	14539806	Intron (NM_001039703, intron 1)	IRNA-Lys-AAG [RNA] [RNA]	-17635	NM_213653	148738	Hs.632436	NM_145277	HPHD:10521
HESC-3merge_insp_peak_92	chr13	41363464	413635143	Promoter-TSS (NM_007187)	Promoter-TSS (NM_007187)	-804	NM_007187	11193	Hs.411300	NM_007187	HPHD:16086
HESC-3merge_insp_peak_11	chr5	40885803	40886302	Promoter-TSS (NM_144508)	Promoter-TSS (NM_144508)	-205	NM_144508	57082	Hs.136280	NM_144508	HPHD:10634
HESC-3merge_insp_peak_266	chr6	27559359	27559858	Intergenic	IRNA-Lys-AAA [RNA] [RNA]	-102206	NR_038293	10050173	Hs.635987	NR_038292	HPHD:06965
HESC-3merge_insp_peak_84	chr12	5658363	56584132	Promoter-TSS (NM_003075)	Promoter-TSS (NM_003075)	-861	NM_003075	6601	Hs.236030	NM_003075	HPHD:03437
HESC-3merge_insp_peak_290	chr6	28564885	28565384	Intergenic	IRNA-Ser-AGY [RNA] [RNA]	-10022	NM_052923	114821	Hs.176980	NM_052923	HPHD:17120
HESC-3merge_insp_peak_36	chr1	161431603	161432102	Intergenic	CpG	-43353	NM_021642	2212	Hs.352642	NM_021642	HPHD:09006
HESC-3merge_insp_peak_81	chr11	122430446	122430945	Intergenic	IRNA-Lys-AAA [RNA] [RNA]	-95703	NM_032873	84959	Hs.444075	NM_032873	HPHD:10663
HESC-3merge_insp_peak_88	chr12	125406108	125406607	Intergenic	IRNA-Ala-GCC [RNA] [RNA]	6264	NR_049820	100847004	Hs.049820	mIRBase:MI0018167	HPHD:06965
HESC-3merge_insp_peak_227	chr6	26555279	26555778	Intergenic	IRNA-Pro-CCY [RNA] [RNA]	16956	NM_003633	10473	Hs.236774	NM_003633	HPHD:06965
HESC-3merge_insp_peak_228	chr16	2844232	28442635	Intergenic	IRNA-Thr-ACC [RNA] [RNA]	-31106	NM_001245	222669	Hs.712841	NM_00101245	ENSG00000187987
HESC-3merge_insp_peak_154	chr17	19411279	19411778	Intergenic	IRNA-Trp-TGG [RNA] [RNA]	-25639	NM_018242	55244	Hs.232054	NM_018242	HPHD:07700
HESC-3merge_insp_peak_51	chr1	22875475	22875974	Intergenic	CpG	-25370	NR_037962	58480	Hs.647774	NM_021205	HPHD:06965
HESC-3merge_insp_peak_158	chr17	37023673	37024172	Intergenic	IRNA-Cys-TGY [RNA] [RNA]	-2190	NR_073384	3927	Hs.741156	NM_006148	HPHD:04229
HESC-3merge_insp_peak_99	chr14	21098364	21098863	Intergenic	IRNA-Tyr-TAC [RNA] [RNA]	11237	NM_001001	341799	Hs.513132	NM_001001968	HPHD:17779
HESC-3merge_insp_peak_64	chr1	249167870	249168369	Intergenic	IRNA-Leu-TTG [RNA] [RNA]	-14804	NM_001193	56557	Hs.377705	NM_001193	HPHD:07922
HESC-3merge_insp_peak_148	chr17	8097019	8097118	TTS (NM_017622)	TTS (NM_017622)	705	NR_039746	100616406	Hs.039746	NR_039746	HPHD:06965
HESC-3merge_insp_peak_124	chr12	12541167	125412166	Intergenic	IRNA-Asp-GAT [RNA] [RNA]	11854	NR_049820	100847004	Hs.049820	mIRBase:MI0018167	HPHD:06965
HESC-3merge_insp_peak_166	chr17	80452360	80452859	Intergenic	IRNA-Met-I [RNA] [RNA]	-24985	NM_045134	3607	Hs.591140	NM_045134	HPHD:09892
HESC-3merge_insp_peak_334	chr7	14934381	149344320	Intergenic	IRNA-Cys-TGY [RNA] [RNA]	-22189	NR_027789	79970	Hs.520785	NM_024910	HPHD:07791
HESC-3merge_insp_peak_56	chr1	22876529	22876624	Intergenic	CpG	-14220	NR_037962	58480	Hs.647774	NM_021205	HPHD:06965
HESC-3merge_insp_peak_287	chr6	28505189	28505688	Intergenic	IRNA-Ile-ATA [RNA] [RNA]	11649	NR_003996	2880	Hs.248129	NM_001509	HPHD:11941
HESC-3merge_insp_peak_279	chr6	27720962	27721461	Intergenic	IRNA-Val-GTY [RNA] [RNA]	-8312	NR_038929	10031289	Hs.200573	NR_038929	HPHD:06965
HESC-3merge_insp_peak_33	chr1	161420268	161420767	Intergenic	CpG	-54688	NM_021642	2212	Hs.352642	NM_021642	HPHD:09006
HESC-3merge_insp_peak_85	chr12	96429596	96430095	Promoter-TSS (NM_000895)	Promoter-TSS (NM_000895)	-406	NM_000895	4048	Hs.524648	NM_000895	HPHD:01056
HESC-3merge_insp_peak_209	chr6	18663154	18663653	Intergenic	IRNA-Val-GTA [RNA] [RNA]	8178	NR_048713	10473	Hs.487113	NR_048713	HPHD:16468
HESC-3merge_insp_peak_130	chr16	3241770	3242269	Intergenic	IRNA-Pro-CCY [RNA] [RNA]	-12228	NM_012360	4992	Hs.664502	NM_012360	HPHD:09125
HESC-3merge_insp_peak_237	chr6	26745035	26745534	Intergenic	IRNA-Ile-ATT [RNA] [RNA]	-85304	NM_001242	79692	Hs.126280	NM_024639	HPHD:06965
HESC-3merge_insp_peak_240	chr6	27059319	27059818	Intergenic	IRNA-Pro-CCG [RNA] [RNA]	41007	NM_021058	8970	Hs.591807	NM_021058	HPHD:06965
HESC-3merge_insp_peak_328	chr7	148606165	148606664	Intergenic	HY4 [sRNA] [sRNA]	65368	NM_004911	9601	Hs.93659	NM_004911	HPHD:06501
HESC-3merge_insp_peak_309	chr6	28831230	28831729	Promoter-TSS (NR_033379.3)	Promoter-TSS (NR_033379.3)	-25	NR_033379	401242	Hs.448285	NR_033379	ENSG0000025595
HESC-3merge_insp_peak_46	chr1	222638160	222638659	Intergenic	IRNA-Thr-ACA [RNA] [RNA]	83035	NM_024746	79802	Hs.665660	NM_024746	HPHD:08887
HESC-3merge_insp_peak_216	chr6	26313118	26313617	Intergenic	IRNA-Met-I [RNA] [RNA]	-27640	NM_003543	8365	Hs.591790	NM_003543	HPHD:11919
HESC-3merge_insp_peak_308	chr6	28805995	28806494	Intergenic	IRNA-Ala-GCY [RNA] [RNA]	25210	NR_033379	401242	Hs.448285	NR_033379	ENSG0000025595
HESC-3merge_insp_peak_298	chr6	2869312	28694111	Intergenic	IRNA-Thr-TAC [RNA] [RNA]	137592	NM_001479	401242	Hs.448285	NR_033379	ENSG0000025595
HESC-3merge_insp_peak_244	chr6	27181391	27181890	Intergenic	IRNA-Arg-CGY [RNA] [RNA]	-33862	NM_005865	10273	Hs.274407	NM_005865	HPHD:06205
HESC-3merge_insp_peak_304	chr6	28753226	28753725	Intergenic	IRNA-Ala-GCA [RNA] [RNA]	73879	NR_033379	401242	Hs.448285	NR_033379	ENSG0000025595
HESC-3merge_insp_peak_182	chr2	43037486	43037985	Intergenic	IRNA-Ile-ATA [RNA] [RNA]	-17984	NM_012205	23498	Hs.368805	NM_012205	HPHD:05158
HESC-3merge_insp_peak_43	chr1	167683736	167684235	Intergenic	IRNA-Pro-CCG [RNA] [RNA]	-7202	NM_024569	9019	Hs.493919	NM_003953	HPHD:05086
HESC-3merge_insp_peak_219	chr6	26328150	26328649	Intergenic	IRNA-Arg-CY [RNA] [RNA]	-36988	NM_001197	11118	Hs.376046	NM_007047	HPHD:12547
HESC-3merge_insp_peak_202	chr5	18052429	18052478	Intergenic	IRNA-Leu-CTY [RNA] [RNA]	27816	NM_001258	26677	Hs.742585	NM_00152823	ENSG00000185372
HESC-3merge_insp_peak_229	chr6	26566279									

hESC-3merge_inp_peak_200	chr5	140099617	140091116	promoter-TSS (NR_026703)	promoter-TSS (NR_026703)	5	NR_026703	56664	NR_026703	ENSG00000199990
hESC-3merge_inp_peak_168	chr19	893291	893790	promoter-TSS (NM_005481)	promoter-TSS (NM_005481)	56	NR_125730	103625684	NR_125730	
hESC-3merge_inp_peak_317	chr6	28949746	28950245	Intergenic	IRNA-Glu-GAG [RNA] [RNA]	23042	NM_001010	282890	Hs.148218	NM_001010877 HPRD:18325
hESC-3merge_inp_peak_107	chr14	21151363	21152462	promoter-TSS (NM_001145)	promoter-TSS (NM_001145)	-124	NM_001145	282	Hs.283749	NM_001145 HPRD:00105
hESC-3merge_inp_peak_132	chr16	22206797	22207296	Intergenic	IRNA-Leu-CTA [RNA] [RNA]	-10546	NM_013302	29904	Hs.498892	NM_013302 HPRD:04082
hESC-3merge_inp_peak_45	chr1	204475432	204475931	Intergenic	IRNA-Lys-AAA [RNA] [RNA]	-9826	NM_001278	4194	Hs.497492	NM_001278 HPRD:04082
hESC-3merge_inp_peak_212	chr5	180648757	180649256	TTS (NR_039781)	TTS (NR_039781)	627	NR_039781	100616342	NR_039781	miRBase:MI0017265
hESC-3merge_inp_peak_151	chr17	8125319	8125818	intron (NR_026951, intron 1)	IRNA-Asp-GAV [RNA] [RNA]	1793	NR_026951	284029	Hs.121692	NM_173621 HPRD:08755
hESC-3merge_inp_peak_312	chr6	28908638	28909137	Intergenic	IRNA-Leu-TTG [RNA] [RNA]	-2674	NR_103538	729583	Hs.453549	NR_103538 HPRD:08755
hESC-3merge_inp_peak_225	chr6	26553524	26554023	Intergenic	IRNA-Ala-GCC [RNA] [RNA]	15201	NM_006353	10473	Hs.236774	NM_006353 HPRD:08755
hESC-3merge_inp_peak_228	chr6	26556578	26557077	Intergenic	IRNA-Lys-AAG [RNA] [RNA]	18255	NM_006353	10473	Hs.236774	NM_006353 HPRD:08755
hESC-3merge_inp_peak_307	chr6	28775392	28775891	Intergenic	IRNA-Phe-TTY [RNA] [RNA]	55813	NR_033379	401242	Hs.448285	NR_033379 ENSG00000225595
hESC-3merge_inp_peak_268	chr6	27570140	27570639	Intergenic	IRNA-Leu-TTG [RNA] [RNA]	-91425	NR_038293	100507173	Hs.635987	NR_038292 HPRD:08755
hESC-3merge_inp_peak_77	chr11	66115400	66115899	promoter-TSS (NM_006876)	promoter-TSS (NM_006876)	-488	NM_006876	11041	Hs.8526	NM_006876 HPRD:09270
hESC-3merge_inp_peak_301	chr6	28710524	28711023	Intergenic	IRNA-Arg-CGG [RNA] [RNA]	120681	NR_033379	401242	Hs.448285	NR_033379 ENSG00000225595
hESC-3merge_inp_peak_282	chr6	27764335	27764834	Intergenic	IRNA-Gln-CAA [RNA] [RNA]	12025	NM_003519	8340	Hs.137594	NM_003519 HPRD:11898
hESC-3merge_inp_peak_103	chr14	21125422	21125921	Intergenic	IRNA-Tyr-TAC [RNA] [RNA]	-15821	NM_001001	341799	Hs.513132	NM_001001968 HPRD:17779
hESC-3merge_inp_peak_194	chr4	1422460	1422959	Intergenic	Intergenic	-22479	NM_001290	54729	Hs.526396	NM_00129079 HPRD:11167
hESC-3merge_inp_peak_318	chr6	28956568	28957067	Intergenic	IRNA-Leu-CTY [RNA] [RNA]	16220	NM_001010	282890	Hs.148218	NM_001010877 HPRD:18325
hESC-3merge_inp_peak_220	chr6	26330281	26330780	Intergenic	IRNA-Met-I [RNA] [RNA]	-34857	NM_001197	11118	Hs.376046	NM_007047 HPRD:12547
hESC-3merge_inp_peak_73	chr11	59319012	59319511	Intergenic	IRNA-Leu-TTA [RNA] [RNA]	36875	NM_001004	390199	Hs.553757	NM_001004711 HPRD:17728
hESC-3merge_inp_peak_165	chr17	73030980	73031479	intron (NR_110835, intron 1)	IRNA-Arg-CGG [RNA] [RNA]	2567	NR_110835	23510	Hs.514468	NM_015353 HPRD:17176
hESC-3merge_inp_peak_231	chr6	26575595	26576094	Intergenic	IRNA-Tyr-TAC [RNA] [RNA]	-21327	NM_013375	29777	Hs.254406	NM_013375 HPRD:16469
hESC-3merge_inp_peak_320	chr6	12610181	12610680	promoter-TSS (NM_00119619)	promoter-TSS (NM_00119619)	-877	NM_001196	135112	Hs.171426	NM_018182 HPRD:14814
hESC-3merge_inp_peak_259	chr6	27473886	27473886	Intergenic	IRNA-Ser-TCA [RNA] [RNA]	-32739	NM_007149	7738	Hs.158174	NM_007149 HPRD:03785
hESC-3merge_inp_peak_336	chr7	149388043	149388542	Intergenic	IRNA-Cys-TGY [RNA] [RNA]	-23810	NM_032534	84626	Hs.299560	NM_032534 HPRD:11167
hESC-3merge_inp_peak_198	chr5	672673	673172	intron (NM_007030, intron 2 of 2)	intron (NM_007030, intron 2 of 2)	20588	NM_007030	11076	Hs.481466	NM_007030 HPRD:18522
hESC-3merge_inp_peak_82	chr12	6040806	6041305	intron (NM_00127859, intron 1)	IRNA-GA [Low complexity] [Low c	13370	NM_001278	57103	Hs.148970	NM_020373 HPRD:11634
hESC-3merge_inp_peak_20	chr1	148247908	148248407	intron (NR_102404, intron 1)	IRNA-Asn-AAC [RNA] [RNA]	-45621	NM_001164	645142	Hs.790589	NM_001164261 ENSG00000256374
hESC-3merge_inp_peak_255	chr6	27446376	27446875	Intergenic	IRNA-Ser-TCT [RNA] [RNA]	-5728	NM_007149	7738	Hs.158174	NM_007149 HPRD:03785
hESC-3merge_inp_peak_329	chr7	148684074	148684573	Intergenic	HY1 [cRNA] [cRNA]	41459	NM_004911	9601	Hs.93659	NM_004911 HPRD:06501
hESC-3merge_inp_peak_277	chr6	27655468	27656267	Intergenic	IRNA-Ile-ATT [RNA] [RNA]	-5797	NR_038293	100507173	Hs.635987	NR_038292 HPRD:08755
hESC-3merge_inp_peak_118	chr15	45490574	45491073	intron (NM_138356, intron 1)	IRNA-His-CAY [RNA] [RNA]	2550	NM_138356	90525	Hs.310399	NM_138356 HPRD:14272
hESC-3merge_inp_peak_155	chr17	29876900	29877399	Intergenic	IRNA-Thr-ACC [RNA] [RNA]	-9866	NR_029710	406968	NR_029710	miRBase:MI0000487
hESC-3merge_inp_peak_273	chr6	27636190	27636689	Intergenic	Intergenic	-25375	NR_038293	100507173	Hs.635987	NR_038292 HPRD:09096
hESC-3merge_inp_peak_32	chr1	161416814	161417131	Intergenic	CpG	-58142	NM_021642	2215	Hs.352642	NM_021642 HPRD:09096
hESC-3merge_inp_peak_131	chr16	14379556	14380055	Intergenic	IRNA-Thr-ACC [RNA] [RNA]	-18019	NR_030177	574455	NR_030177	miRBase:MI0003137
hESC-3merge_inp_peak_134	chr16	22309597	22310096	intron (NM_001258035, intron 1)	MIIR[SINE] [MIR]	1150	NM_001258	55718	Hs.460298	NM_018119 HPRD:15655
hESC-3merge_inp_peak_48	chr1	228748040	228748539	Intergenic	CpG	-32105	NR_037962	58480	Hs.647774	NM_021205 HPRD:06965
hESC-3merge_inp_peak_2	chr1	16861541	16862040	Intergenic	CpG	-13619	NR_037446	100500876	NR_037446	miRBase:MI0016076
hESC-3merge_inp_peak_280	chr6	27745440	27745939	Intergenic	IRNA-Met-I [RNA] [RNA]	16166	NR_038929	10031289	Hs.200573	NR_038929 HPRD:08755
hESC-3merge_inp_peak_76	chr11	59333608	59334107	Intergenic	IRNA-Phe-TTY [RNA] [RNA]	28774	NR_036120	100422880	NR_036120 HPRD:09729	
hESC-3merge_inp_peak_146	chr17	8028848	8029347	Intergenic	IRNA-Gly-GGY [RNA] [RNA]	-1687	NR_001165	84667	Hs.434838	NR_001165 HPRD:03178
hESC-3merge_inp_peak_190	chr3	131950423	13195922	Intergenic	IRNA-Cys-TGY [RNA] [RNA]	-85539	NM_001099	55	Hs.433060	NM_001099 HPRD:03178
hESC-3merge_inp_peak_87	chr12	98987978	98988297	promoter-TSS (NR_038383)	promoter-TSS (NR_038383)	-414	NR_038383	643707	Hs.129589	NR_038383 ENSG00000245017
hESC-3merge_inp_peak_232	chr6	26577109	26577608	Intergenic	IRNA-Tyr-TAC [RNA] [RNA]	-19813	NM_013375	29777	Hs.254406	NM_013375 HPRD:16469
hESC-3merge_inp_peak_339	chr6	26989391	26989840	promoter-TSS (NR_026777)	promoter-TSS (NR_026777)	-95	NR_026776	10027046	Hs.590428	NR_026776 HPRD:08755
hESC-3merge_inp_peak_329	chr7	149112005	149112504	Intergenic	IRNA-Cys-TGY [RNA] [RNA]	45799	NM_015694	27153	Hs.38512	NM_015694 HPRD:13849
hESC-3merge_inp_peak_161	chr17	37310530	37311029	Intergenic	IRNA-Cys-TGY [RNA] [RNA]	-2877	NM_020405	57125	Hs.125036	NM_020405 HPRD:08439
hESC-3merge_inp_peak_62	chr1	228779334	228779833	promoter-TSS (NR_037962)	promoter-TSS (NR_037962)	-811	NR_037962	58480	Hs.647774	NM_021205 HPRD:06965
hESC-3merge_inp_peak_127	chr16	3202688	3203187	Intergenic	IRNA-Arg-AGG [RNA] [RNA]	17803	NM_001134	7765	Hs.115284	NM_004220 HPRD:12224
hESC-3merge_inp_peak_297	chr6	28678141	28678640	Intergenic	IRNA-Ala-GCY [RNA] [RNA]	-123278	NM_052923	114821	Hs.176980	NM_052923 HPRD:11720
hESC-3merge_inp_peak_68	chr10	42712495	42712994	Intergenic	Intergenic	150749	NR_024380	441666	Hs.255729	NR_024380 ENSG00000215146
hESC-3merge_inp_peak_44	chr1	167684521	167685020	Intergenic	IRNA-Pro-CCY [RNA] [RNA]	-6417	NM_024569	9019	Hs.493919	NM_003953 HPRD:05086
hESC-3merge_inp_peak_139	chr16	73512003	73512502	Intergenic	IRNA-Lys-AAA [RNA] [RNA]	91548	NR_038234	100506172	Hs.434230	NR_038234 ENSG00000258779
hESC-3merge_inp_peak_246	chr6	27198088	27198587	Intergenic	IRNA-Leu-TTA [RNA] [RNA]	-17165	NM_005865	10279	Hs.274407	NM_005865 HPRD:06205
hESC-3merge_inp_peak_123	chr15	80036786	80037285	Intergenic	IRNA-Cys-TGY [RNA] [RNA]	152304	NR_037654	10588	Hs.194294	NM_006441 HPRD:06205
hESC-3merge_inp_peak_110	chr14	50329190	50329689	Intergenic	7S[RNA] [srpRNA] [srpRNA]	-9900	NM_004713	9147	Hs.655964	NM_004713 HPRD:08494
hESC-3merge_inp_peak_152	chr17	8125950	8125449	non-coding (NR_026951, intron 1)	non-coding (NR_026951, intron 1)	1162	NR_026951	284029	Hs.121692	NM_173621 HPRD:08755
hESC-3merge_inp_peak_264	chr6	27543635	27544134	Intergenic	IRNA-Lys-AAA [RNA] [RNA]	-102987	NM_007149	7738	Hs.158174	NM_007149 HPRD:03785
hESC-3merge_inp_peak_343	chr9	35657607	35658106	promoter-TSS (NM_001195201)	promoter-TSS (NM_001195201)	159	NR_003051	6023	Hs.587502	NR_003051 ENSG00000269900
hESC-3merge_inp_peak_203	chr5	180528663	180529162	Intergenic	IRNA-Leu-CTY [RNA] [RNA]	23392	NM_001258	26693	Hs.742585	NM_001258283 ENSG00000185372
hESC-3merge_inp_peak_95	chr14	21077629	210776768	Intergenic	IRNA-Pro-CCY [RNA] [RNA]	-18536	NM_001024	493901	Hs.729466	NM_001024822 HPRD:18667
hESC-3merge_inp_peak_11	chr1	145396658	145397157	intron (NM_001039703, intron 1)	IRNA-His-CAY [RNA] [RNA]	-16284	NM_013653	148738	Hs.632436	NM_145277 HPRD:10521
hESC-3merge_inp_peak_177	chr19	50490289	50490788	intron (NM_001025778, intron 1)	intron (NM_001025778, intron 1)	17626	NR_002825	400709	Hs.568076	NR_002825 HPRD:00715
hESC-3merge_inp_peak_185	chr2	157257435	157257934	Intergenic	IRNA-Gly-GGY [RNA] [RNA]	-34281	NM_001083	2820	Hs.512382	NM_001083 HPRD:00715
hESC-3merge_inp_peak_19	chr1	148006066	148006105	intron (NR_102404, intron 1)	IRNA-Asn-AAC [RNA] [RNA]	6709	NR_104086	101954277	NR_104086 HPRD:04229	
hESC-3merge_inp_peak_159	chr17	37025229	37025728	promoter-TSS (NM_006148)	promoter-TSS (NM_006148)	-524	NR_073284	3921	Hs.741156	NM_006148 HPRD:07388
hESC-3merge_inp_peak_323	chr7	4016171	4016670	intron (NM_152744, intron 1)	intron (NM_152744, intron 1)	-152897	NM_001079	221935	Hs.653013	NM_152744 HPRD:07388
hESC-3merge_inp_peak_207	chr5	180615213	180615712	Intergenic	IRNA-Val-GTY [RNA] [RNA]	3446	NR_108031	10257426	Hs.277359	NR_108031 HPRD:08755
hESC-3merge_inp_peak_271	chr6	27599028	27599527	Intergenic	IRNA-Ile-ATA [RNA] [RNA]	-62537	NR_038293	100507173	Hs.635987	NR_038292 HPRD:08755
hESC-3merge_inp_peak_217	chr6	26319120	26319619	Intergenic	IRNA-Trp-TGG [RNA] [RNA]	-33642	NM_003543	8365	Hs.591790	NM_003543 HPRD:11919
hESC-3merge_inp_peak_8	chr1	94312930	94313429	promoter-TSS (NM_001261408)	promoter-TSS (NM_001261408)	-473	NM_001261	8412	Hs.36958	NM_003567 HPRD:05268
hESC-3merge_inp_peak_59	chr1	228772641	228773140	Intergenic	CpG	-7504	NR_037962	58480	Hs.647774	NM_021205 HPRD:06965
hESC-3merge_inp_peak_142	chr6	90183335	90183834	Intergenic	Intergenic	-41246	NM_001098	11105	Hs.406695	NM_052996 HPRD:17903
hESC-3merge_inp_peak_252	chr6	27271352	27271851	Intergenic	IRNA-Met-I [RNA] [RNA]	8410	NM_023482	94026	Hs.7299	

Supplementary Table 8

PeakID (cmd=annotatePeaks.pl vA13_FHU002)	Chr	Start	End	Strand	Peak Score	Focus Ratio/Region	Annotation	Detailed Annotation	Distance to TSS	Nearest PromoterID	Entrez ID	Nearest UniGene	Nearest RefSeq	Nearest Ensembl
vA13_FHU002_peak_22	chr19	27738477	27738958	+	228	NA	Intergenic	ALR/Alpha Satellite centr	-545658	NR_110688	101927151	Hs.567934	NR_110687	
vA13_FHU002_peak_13	chr16	30968959	30969341	+	199	NA	5' UTR (NM_014712, exon 1 of 19)	5' UTR (NM_014712, exon 1 of 19)	535	NM_014712	9739	Hs.297483	NM_014712	HPRD:13795
vA13_FHU002_peak_31	chr5	10172	11694	+	176	NA	Intergenic	(CCCTAA)n Simple_repeat Simple_repeat	-129440	NM_052909	153478	Hs.535800	NM_052909	
vA13_FHU002_peak_12	chr12	132195401	132195624	+	170	NA	promoter-TSS (NM_001261411)	promoter-TSS (NM_001261411)	-120	NM_004592	6433	Hs.308171	NM_004592	HPRD:09055
vA13_FHU002_peak_11	chr12	101801537	101801827	+	164	NA	promoter-TSS (NM_001301068)	promoter-TSS (NM_001301068)	-84	NM_001301068	400	Hs.372616	NM_001177	HPRD:04574
vA13_FHU002_peak_28	chr3	9773178	9773443	+	159	NA	promoter-TSS (NM_004634)	promoter-TSS (NM_004634)	-124	NM_001003694	7862	Hs.1004	NM_004634	HPRD:03875
vA13_FHU002_peak_5	chr10	42532092	42532859	+	151	NA	Intergenic	ALR/Alpha Satellite centr	331018	NR_024380	441666	Hs.255729	NR_024380	ENSG00000215146
vA13_FHU002_peak_6	chr10	42534610	42534970	+	122	NA	Intergenic	ALR/Alpha Satellite centr	328703	NR_024380	441666	Hs.255729	NR_024380	ENSG00000215146
vA13_FHU002_peak_4	chr10	42529539	42529898	+	118	NA	Intergenic	ALR/Alpha Satellite centr	333790	NR_024380	441666	Hs.255729	NR_024380	ENSG00000215146
vA13_FHU002_peak_16	chr17	38804119	38804348	+	112	NA	promoter-TSS (NM_003079)	promoter-TSS (NM_003079)	-130	NM_003079	6605	Hs.743978	NM_003079	HPRD:04382
vA13_FHU002_peak_30	chr4	191043812	191044163	+	101	NA	Intergenic	(TTAGGG)n Simple_repeat Simple_repeat	58330	NR_121644	100419743		NR_121644	
vA13_FHU002_peak_20	chr19	27731972	27732756	+	97	NA	Intergenic	ALR/Alpha Satellite centr	-52011	NR_110688	101927151	Hs.567934	NR_110687	
vA13_FHU002_peak_7	chr11	46838846	46839089	+	90	NA	promoter-TSS (NM_173811)	promoter-TSS (NM_173811)	141	NM_001142673	9776	Hs.127403	NM_014741	HPRD:13809
vA13_FHU002_peak_27	chr20	62918207	62918447	+	89	NA	Intergenic	(TTGGGG)n Simple_repeat Simple_repeat	-3411	NR_040415	140849	Hs.745565	NR_040415	
vA13_FHU002_peak_41	chrUn_g000	73748	73965	+	84	NA	intron (NR_109817, intron 1 of 2)	(CCCTAA)n Simple_repeat Simple_repeat	389	NR_109817	441123		NR_109817	ENSG00000170590
vA13_FHU002_peak_2	chr10	42396516	42396920	+	78	NA	Intergenic	HSATII Satellite Satellite	466725	NR_024380	441666	Hs.255729	NR_024380	ENSG00000215146
vA13_FHU002_peak_43	chrX	61719484	61719830	+	73	NA	Intergenic	ALR/Alpha Satellite centr	83155	NM_001012968	139886	Hs.612782	NM_001012968	HPRD:12556
vA13_FHU002_peak_8	chr11	47447790	47448021	+	68	NA	5' UTR (NM_002804, exon 1 of 12)	5' UTR (NM_002804, exon 1 of 12)	119	NM_002804	5702	Hs.250758	NM_002804	HPRD:01733
vA13_FHU002_peak_32	chr7	24126	24332	+	68	NA	Intergenic	(LIMB3)LINE_LL	-125489	NR_108065	100507642		NR_108064	
vA13_FHU002_peak_44	chrY	13460982	13461224	+	67	NA	Intergenic	BSR/Beta Satellite Satellite	1072286	NR_033667	352887	Hs.546221	NR_033667	ENSG00000206159
vA13_FHU002_peak_23	chr2	8987115	8987538	+	64	NA	Intergenic	(GAATG)n Satellite Satellite	76387	NR_039635	10061399		NR_039635	miRBase-Mi0016776
vA13_FHU002_peak_10	chr12	4647628	4647841	+	64	NA	promoter-TSS (NM_001130862)	promoter-TSS (NM_001130862)	-97	NM_020374	57102	Hs.302977	NM_020374	HPRD:12609
vA13_FHU002_peak_33	chr7	30634306	30634517	+	60	NA	5' UTR (NM_002047, exon 1 of 17)	5' UTR (NM_002047, exon 1 of 17)	230	NM_002047	2617	Hs.404321	NM_002047	HPRD:02617
vA13_FHU002_peak_18	chr18	18519335	18519671	+	58	NA	Intergenic	ALR/Alpha Satellite centr	172309	NM_005406	6093	Hs.306307	NM_005406	
vA13_FHU002_peak_42	chrUn_g000	118230	118451	+	55	NA	Intergenic	BSR/Beta Satellite Satellite	5730	NM_00193798	100286867	Hs.728749	NM_00120511	
vA13_FHU002_peak_36	chr8	43096628	43096963	+	54	NA	Intergenic	SAR Satellite Satellite	-50790	NM_001002920	340441	Hs.531579	NM_001002920	
vA13_FHU002_peak_39	chrUn_g000	64454	65133	+	51	NA	Intergenic	NA	NA	NA	NA		NA	
vA13_FHU002_peak_14	chr16	46424723	46425048	+	49	NA	Intergenic	HSATII Satellite Satellite	178124	NR_026556	124149	Hs.97414	NM_001004299	
vA13_FHU002_peak_1	chr10	42394306	42394558	+	46	NA	Intergenic	Intergenic	46906	NR_024380	441666	Hs.255729	NR_024380	ENSG00000215146
vA13_FHU002_peak_35	chr8	43094801	43095185	+	42	NA	Intergenic	SAR Satellite Satellite	-52592	NM_001002920	340441	Hs.531579	NM_001002920	
vA13_FHU002_peak_9	chr11	51592945	51593169	+	38	NA	Intergenic	ALR/Alpha Satellite centr	77775	NM_001004703	119749	Hs.553564	NM_001004703	HPRD:14964
vA13_FHU002_peak_15	chr16	46428162	46428429	+	36	NA	Intergenic	HSATII Satellite Satellite	174714	NR_026556	124149	Hs.97414	NM_001004299	
vA13_FHU002_peak_25	chr2	92319678	92320165	+	36	NA	Intergenic	ALR/Alpha Satellite centr	190862	NR_027714	440388	Hs.760239	NM_00103241	ENSG00000226481
vA13_FHU002_peak_34	chr8	43092912	43093188	+	34	NA	Intergenic	SAR Satellite Satellite	-54535	NM_001002920	340441	Hs.531579	NM_001002920	
vA13_FHU002_peak_3	chr10	42400193	42400661	+	34	NA	Intergenic	ALR/Alpha Satellite centr	463066	NR_024380	441666	Hs.255729	NR_024380	ENSG00000215146
vA13_FHU002_peak_24	chr2	89878482	89878779	+	26	NA	Intergenic	(GAATG)n Satellite Satellite	766746	NR_039635	10061399		NR_039635	miRBase-Mi0016776
vA13_FHU002_peak_38	chr9	6697176	66971603	+	25	NA	Intergenic	ALR/Alpha Satellite centr	48472	NR_121570	101928381	Hs.708686	NR_121570	
vA13_FHU002_peak_19	chr19	7515624	7515855	+	22	NA	intron (NM_001130955, intron 5 of 19)	intron (NM_001130955, intron 5 of 19)	11185	NM_001130955	237102	Hs.465761	NM_015138	HPRD:12479
vA13_FHU002_peak_40	chrUn_g000	102129	102432	+	22	NA	Intergenic	BSR/Beta Satellite Satellite	NA	NA	NA		NA	
vA13_FHU002_peak_37	chr8	43826912	43827355	+	17	NA	Intergenic	ALR/Alpha Satellite centr	679548	NM_001005365	340441	Hs.531579	NM_001005365	
vA13_FHU002_peak_21	chr19	2773190	2773453	+	16	NA	Intergenic	ALR/Alpha Satellite centr	-54705	NR_110688	101927151	Hs.567934	NR_110687	
vA13_FHU002_peak_26	chr20	26318271	26318480	+	16	NA	Intergenic	ALR/Alpha Satellite centr	-128506	NR_040095	284801	Hs.370699	NR_040095	ENSG00000227195
vA13_FHU002_peak_17	chr18	10236	10623	+	14	NA	Intergenic	(CCCTAA)n Simple_repeat Simple_repeat	-1646	NR_110795	102723376	Hs.606852	NR_110795	
vA13_FHU002_peak_29	chr4	49156597	49156898	+	13	NA	Intergenic	(CATC)n Satellite Satellite	168088	NM_001286791	80157	Hs.479703	NM_025087	HPRD:08638

Supplementary Table 9	
Technique	Sequence
<i>RT-qPCR</i>	
pre tRNA Leu F	GTC AGG ATG GCC GAG TGG TCT AAG
pre tRNA Leu R	CCA CGC CTC CAT ACG GAGAAC CAG AAG ACC C
pre tRNA Arg F	GGCTCTGTGGCGCAATGGATA
pre tRNAArg R	TTCGAACCCACAACCTTTGAATTGCTC
tRNA-TYR F	CCTTCGATAGCTCAGCTGGTAGAGCGGAGG
tRNA-TYR R	CGGAATTGAACCAGCGACCTAAGGATGTCC
hRPC32 RT-F1	TGGCTGGGAATAAAGGAAGA
hRPC32 RT-R1	GGAAATAGTGGGGGTGGTTT
hNANOG RT-F	AGAAGGCCTCAGCACCTAC
hNANOG RT-R	GGCCTGATTGTTCCAGGATT
hPAX6 RT-F	GAATCAGAGAAGACAGGCCA
hPAX6 RT-R	GTGTAGGTATCATAACTCCG
hTERT RT-F	CCA AGT TCC TGC ACT GGC TGA
hTERT RT-R	TTC CCG ATG CTG CCT GAC
<i>ChIP qPCR</i>	
5S F	AGGACAGCTGGTGTCTGGAG
5S R	GTTTTTGAGCACCCGGTTT
tRNA MET F	GGCAAGGTATGCTCACATCA
tRNA MET R	CATAACCCAGAGGTCGATGG
tRNA ARG F	CGATAGCTGCCAAGAACCAT
tRNA ARG R	CCCAGTGGCCTAATGGATAA
tRNA LYS F	GCGGACATCGTAAACCCTTA
tRNA LYS R	CACTGTGCCAGACCTCGATA
tRNA SEC F	GTTACTACCGCCCGAAAGGT
tRNA SEC R	TATAGCTGCGCGGAATAAG
tRNA LEU F	CCGATCGTAGGGCTTCCTAT
tRNA LEU R	GACTCCAAGTCTCCGTGAGC
ILF2 F	CATAACCCAGAGGTCGATGG
ILF2 R	TGGTTGCATTTTGAGGTAGG
POLG F	TCTCAAGGAGCAGGTGGATT
POLG R	TCCGAAGTCAGACGCCTTAT
LTA4H F	GACGGGGAGGCACAGTAAT
LTA4H R	ATGTTGGCTTTCTCCGTTTG
JUND F	GTCGCTCATTTGCATGGAG
JUND R	ATGACGTCAACCCACAAGG
SMARCC2 F	TAAGGCGTTGGACTCGAAAT
SMARCC2 R	GAGCAACAGAGCGAGACTCC
CpG (FOS) F	CCAGCAACAGGCTTCTGATT
CpG (FOS) R	CAAGTGGGAGACAACAACCA
<i>Northern Probes</i>	
U2	GGGTGCACCGTTCCTGGAGGTAC
tRNA ARG (CCT)	GGGTGGGACTCGAACCCACAATCCCTGGCTTAGGAGGCCAATGCCT
tRNA ARG (CCG)	CAGCTCCGAGGCTGATGCCTTA
tRNA CYS	ACCCGGATTTGAACCGGGGACCTCTTGATCTGCAGTCAAATGCTCTACCCTGAGCTATAT
tRNA GLY	AATTGAACCCGGGTCTCCCGCTGGGAGGCGAGAATTCTACCA
tRNA THR	TCGAACCCAGGATCTCTGTTTACTAGACAGGCGCTTTAACCAGCT
tRNA Ala	ATTGAACCCGGGCTCATACTGCAAAGCATGCGCT
tRNA Asn	GGGTGGGCTCGAACCAACCTTTTCGGTTAACAGCCGAACGCGCT
tRNA Glu	TGGGTGAAAACAGGAATCCTAACCGCTAGACCATG

	F-forward primer
	R- Reverse primer

Supplementary Table 10

BT code	Age	Ethnicity	Disease Stage	Tumor Histology	ER status	PR status	HER2 status
BT0011	51	Chinese	IV	Invasive duct	Negative	Negative	Negative
BT0031	68	Chinese	I	Ductal carcin	Negative	Negative	Negative
BT0064	72	Chinese	IIB	Invasive duct	Negative	Negative	Negative
BT0098	44	Chinese	I	Invasive duct	Negative	Negative	Negative
BT00216	41	Chinese	IIIA	Invasive duct	Negative	Negative	Negative
BT0038	75	Chinese	IIB	Invasive duct	Negative	Negative	Positive
BT0048	79	Chinese	IIA	Invasive duct	Negative	Negative	Positive
BT0086	39	Chinese	IIA	Invasive duct	Negative	Negative	Positive
BT0087	56	Chinese	IV	Invasive duct	Negative	Negative	Positive
BT0090	57	Chinese	I	Invasive duct	Negative	Negative	Positive
BT0075	50	Malay	IV	Invasive duct	Negative	Negative	Negative
BT00260	45	Chinese	IIIC	Invasive duct	Positive	Positive	Negative
BT00222	53	Chinese	IIB	Invasive duct	Positive	Positive	Negative
BT00224	64	Chinese	IIB	Invasive duct	Positive	Positive	Negative
BT00207	37	Chinese	IIB	Invasive duct	Positive	Positive	Negative

Supplementary table 11				
Fig 1A				
Table Analyzed				
Data 1				
One-way analysis of variance				
P value	0.0051			
P value summary	**			
Are means signif. different? (P < 0.05)	Yes			
Number of groups	3			
F	10.05			
R squared	0.6907			
ANOVA Table				
	SS	df	MS	
Treatment (between columns)	255	2	127.5	
Residual (within columns)	114.2	9	12.69	
Total	369.2	11		
Tukey's Multiple Comparison Test				
	Mean Diff.	q	P value	95% CI of diff
G361 vs BLM	-8.625	4.843	P < 0.05	-15.66 to -1.592
G361 vs LOXIMVI	-10.63	5.966	P < 0.01	-17.66 to -3.592
BLM vs LOXIMVI	-2	1.123	P > 0.05	-9.033 to 5.033
Figure 1F HCT				
Table Analyzed				
Data 1				
One-way analysis of variance				
P value	P<0.0001			
P value summary	***			
Are means signif. different? (P < 0.05)	Yes			
Number of groups	3			
F	119.4			
R squared	0.9755			
ANOVA Table				
	SS	df	MS	
Treatment (between columns)	3.98	2	1.99	
Residual (within columns)	0.1	6	0.01667	
Total	4.08	8		
Tukey's Multiple Comparison Test				
	Mean Diff.	q	P value	95% CI of diff
HCT 116 Control vs HCT 116 TERT WT	-1.3	17.44	P < 0.001	-1.623 to -0.9766
HCT 116 Control vs HCT 116 TERT DN	-1.5	20.12	P < 0.001	-1.823 to -1.177
HCT 116 TERT WT vs HCT 116 TERT DN	-0.2	2.683	P > 0.05	-0.5234 to 0.1234
Figure 1F A2780				
Table Analyzed				
Data 1				
One-way analysis of variance				
P value	0.0011			
P value summary	**			
Are means signif. different? (P < 0.05)	Yes			
Number of groups	3			
F	26.12			
R squared	0.897			
ANOVA Table				
	SS	df	MS	
Treatment (between columns)	0.9867	2	0.4933	
Residual (within columns)	0.1133	6	0.01889	
Total	1.1	8		
Tukey's Multiple Comparison Test				
	Mean Diff.	q	P value	95% CI of diff
A2780 Control vs A2780 TERT WT	-0.6667	8.402	P < 0.01	-1.011 to -0.3224
A2780 Control vs A2780 TERT DN	-0.7333	9.242	P < 0.01	-1.078 to -0.3890
A2780 TERT WT vs A2780 TERT DN	-0.06667	0.8402	P > 0.05	-0.4110 to 0.2776

Figure 1F VA13				
Table Analyzed				
Data 1				
One-way analysis of variance				
P value	P<0.0001			
P value summary	***			
Are means signif. different? (P < 0.05)	Yes			
Number of groups	3			
F	189			
R squared	0.9844			
ANOVA Table				
	SS	df	MS	
Treatment (between columns)	23.1	2	11.55	
Residual (within columns)	0.3667	6	0.06111	
Total	23.46	8		
Tukey's Multiple Comparison Test				
	Mean Diff.	q	P value	95% CI of diff
VA13 Control vs VA13 TERT WT	-3.1	21.72	P < 0.001	-3.719 to -2.481
VA13 Control vs VA13 TERT DN	-3.633	25.46	P < 0.001	-4.253 to -3.014
VA13 TERT WT vs VA13 TERT DN	-0.5333	3.737	P > 0.05	-1.153 to 0.08595
Figure 6A				
Table Analyzed				
Data 1				
One-way analysis of variance				
P value	P<0.0001			
P value summary	***			
Are means signif. different? (P < 0.05)	Yes			
Number of groups	3			
F	16.65			
R squared	0.5812			
Bartlett's test for equal variances				
Bartlett's statistic (corrected)	12.91			
P value	0.0016			
P value summary	**			
Do the variances differ signif. (P < 0.05)	Yes			
ANOVA Table				
	SS	df	MS	
Treatment (between columns)	1.689	2	0.8445	
Residual (within columns)	1.217	24	0.05071	
Total	2.906	26		
Tukey's Multiple Comparison Test				
	Mean Diff.	q	P value	95% CI of diff
Vector1 vs TERT	-0.5981	7.968	P < 0.001	-0.8632 to -0.3330
Vector1 vs RPC32	-0.414	5.516	P < 0.01	-0.6791 to -0.1489
TERT vs RPC32	0.184	2.452	P > 0.05	-0.08107 to 0.4491
Figure 6D				
Table Analyzed				
Data 1				
One-way analysis of variance				
P value	P<0.0001			
P value summary	***			
Are means signif. different? (P < 0.05)	Yes			
Number of groups	7			
F	36.72			
R squared	0.9402			
ANOVA Table				
	SS	df	MS	
Treatment (between columns)	4.623	6	0.7705	
Residual (within columns)	0.2938	14	0.02099	
Total	4.917	20		
Tukey's Multiple Comparison Test				
	Mean Diff.	q	P value	95% CI of diff
VECTOR vs TERT	-0.9356	11.19	P < 0.001	-1.340 to -0.5317
VECTOR vs TERT DN	-1.303	15.58	P < 0.001	-1.707 to -0.8991
VECTOR vs TERT 1-600	-1.395	16.68	P < 0.001	-1.799 to -0.9912
VECTOR vs TERT 601-1132	-0.8213	9.82	P < 0.001	-1.225 to -0.4175
VECTOR vs TERT 1-925	-0.9816	11.74	P < 0.001	-1.385 to -0.5777
VECTOR vs TERT 346-925	-0.305	3.647	P > 0.05	-0.7089 to 0.09887
TERT vs TERT DN	-0.3673	4.392	P > 0.05	-0.7712 to 0.03655
TERT vs TERT 1-600	-0.4595	5.493	P < 0.05	-0.8633 to -0.05556
TERT vs TERT 601-1132	0.1143	1.366	P > 0.05	-0.2896 to 0.5182
TERT vs TERT 1-925	-0.04596	0.5495	P > 0.05	-0.4498 to 0.3579
TERT vs TERT 346-925	0.6306	7.54	P < 0.01	0.2267 to 1.034
TERT DN vs TERT 1-600	-0.09211	1.101	P > 0.05	-0.4960 to 0.3118
TERT DN vs TERT 601-1132	0.4816	5.758	P < 0.05	0.07774 to 0.8855
TERT DN vs TERT 1-925	0.3214	3.843	P > 0.05	-0.08251 to 0.7253
TERT DN vs TERT 346-925	0.9979	11.93	P < 0.001	0.5941 to 1.402
TERT 1-600 vs TERT 601-1132	0.5737	6.86	P < 0.01	0.1698 to 0.9776
TERT 1-600 vs TERT 1-925	0.4135	4.944	P < 0.05	0.009609 to 0.8174
TERT 1-600 vs TERT 346-925	1.09	13.03	P < 0.001	0.6862 to 1.494
TERT 601-1132 vs TERT 1-925	-0.1602	1.916	P > 0.05	-0.5641 to 0.2436
TERT 601-1132 vs TERT 346-925	0.5163	6.173	P < 0.01	0.1124 to 0.9202
TERT 1-925 vs TERT 346-925	0.6766	8.089	P < 0.001	0.2727 to 1.080

Figure 7A

Table Analyzed				
Data 1				
One-way analysis of variance				
P value	P<0.0001			
P value summary	***			
Are means signif. different? (P < 0.05)	Yes			
Number of groups	3			
F	126.5			
R squared	0.9656			
ANOVA Table				
Treatment (between columns)	82890000	2	41450000	
Residual (within columns)	2949000	9	327700	
Total	85840000	11		
Tukey's Multiple Comparison Test				
	Mean Diff.	q	P value	95% CI of diff
BLM C250T Day3 vs BLM WT Day3	6430	22.47	P < 0.001	5300 to 7560
BLM C250T Day3 vs BLM WT + RPC32 Day3	3490	12.19	P < 0.001	2360 to 4620
BLM WT Day3 vs BLM WT + RPC32 Day3	-2940	10.27	P < 0.001	-4070 to -1810

Figure 7B

Table Analyzed				
Data 1				
One-way analysis of variance				
P value	P<0.0001			
P value summary	***			
Are means signif. different? (P < 0.05)	Yes			
Number of groups	6			
F	77.13			
R squared	0.9554			
ANOVA Table				
Treatment (between columns)	89920000	5	17980000	
Residual (within columns)	4197000	18	233100	
Total	94110000	23		
Tukey's Multiple Comparison Test				
	Mean Diff.	q	P value	95% CI of diff
BLM C250T + Vector Day 4 vs BLM WT + Vector Day 4	5976	24.75	P < 0.001	4891 to 7061
BLM C250T + Vector Day 4 vs BLM WT + TERT Day 4	2407	9.97	P < 0.001	1322 to 3492
BLM C250T + Vector Day 4 vs BLM WT + TERT DN Day 4	3053	12.65	P < 0.001	1968 to 4138
BLM C250T + Vector Day 4 vs BLM WT + TERT 601-1132 Day 4	3642	15.09	P < 0.001	2557 to 4727
BLM C250T + Vector Day 4 vs BLM WT + TERT 346-925 Day 4	5167	21.4	P < 0.001	4082 to 6252
BLM WT + Vector Day 4 vs BLM WT + TERT Day 4	-3569	14.78	P < 0.001	-4654 to -2484
BLM WT + Vector Day 4 vs BLM WT + TERT DN Day 4	-2923	12.11	P < 0.001	-4008 to -1838
BLM WT + Vector Day 4 vs BLM WT + TERT 601-1132 Day 4	-2334	9.667	P < 0.001	-3419 to -1249
BLM WT + Vector Day 4 vs BLM WT + TERT 346-925 Day 4	-809	3.351	P > 0.05	-1894 to 276.2
BLM WT + TERT Day 4 vs BLM WT + TERT DN Day 4	646	2.676	P > 0.05	-439.2 to 1731
BLM WT + TERT Day 4 vs BLM WT + TERT 601-1132 Day 4	1235	5.115	P < 0.05	149.8 to 2320
BLM WT + TERT Day 4 vs BLM WT + TERT 346-925 Day 4	2760	11.43	P < 0.001	1675 to 3845
BLM WT + TERT DN Day 4 vs BLM WT + TERT 601-1132 Day 4	589	2.44	P > 0.05	-496.2 to 1674
BLM WT + TERT DN Day 4 vs BLM WT + TERT 346-925 Day 4	2114	8.756	P < 0.001	1029 to 3199
BLM WT + TERT 601-1132 Day 4 vs BLM WT + TERT 346-925 Day 4	1525	6.317	P < 0.01	439.8 to 2610

Figure 7D

Table Analyzed				
Data 1				
One-way analysis of variance				
P value	P<0.0001			
P value summary	***			
Are means signif. different? (P < 0.05)	Yes			
Number of groups	5			
F	44.74			
R squared	0.8173			
Bartlett's test for equal variances				
Bartlett's statistic (corrected)	9.054			
P value	0.0598			
P value summary	ns			
Do the variances differ signif. (P < 0.05)	No			
ANOVA Table				
Treatment (between columns)	452000	4	113000	
Residual (within columns)	101000	40	2526	
Total	553000	44		
Tukey's Multiple Comparison Test				
	Mean Diff.	q	P value	95% CI of diff
BLM WT vs BLM WT + RPC32	-85.92	5.129	P < 0.01	-153.6 to -18.26
BLM WT vs BLM WT + TERT DN	-96	5.56	P < 0.01	-165.7 to -26.26
BLM WT vs BLM WT + TERT	-130.8	7.808	P < 0.001	-198.5 to -63.15
BLM WT vs BLM C250T	-295.5	18.1	P < 0.001	-361.4 to -229.5
BLM WT + RPC32 vs BLM WT + TERT DN	-10.08	0.5838	P > 0.05	-79.83 to 59.67
BLM WT + RPC32 vs BLM WT + TERT	-44.89	2.68	P > 0.05	-112.6 to 22.77
BLM WT + RPC32 vs BLM C250T	-209.6	12.83	P < 0.001	-275.5 to -143.6
BLM WT + TERT DN vs BLM WT + TERT	-34.81	2.016	P > 0.05	-104.6 to 34.94
BLM WT + TERT DN vs BLM C250T	-199.5	11.83	P < 0.001	-267.6 to -131.4
BLM WT + TERT vs BLM C250T	-164.7	10.09	P < 0.001	-230.6 to -98.73

Figure 7E				
Table Analyzed				
Data 1				
One-way analysis of variance				
P value	P<0.0001			
P value summary	***			
Are means signif. different? (P < 0.05)	Yes			
Number of groups	5			
F	19.89			
R squared	0.8884			
ANOVA Table	SS	df	MS	
Treatment (between columns)	3.099	4	0.7749	
Residual (within columns)	0.3895	10	0.03895	
Total	3.489	14		
Tukey's Multiple Comparison Test	Mean Diff.	q	P value	95% CI of diff
BLM WT + Vector vs BLM WT + RPC32	-0.9547	8.378	P < 0.01	-1.485 to -0.4244
BLM WT + Vector vs BLM WT + TERT DN	-1.071	9.397	P < 0.001	-1.601 to -0.5404
BLM WT + Vector vs BLM WT + TERT WT	-0.9987	8.765	P < 0.001	-1.529 to -0.4684
BLM WT + Vector vs BLM C250T + Vector	-1.331	11.68	P < 0.001	-1.861 to -0.8003
BLM WT + RPC32 vs BLM WT + TERT DN	-0.116	1.018	P > 0.05	-0.6463 to 0.4143
BLM WT + RPC32 vs BLM WT + TERT WT	-0.04402	0.3863	P > 0.05	-0.5743 to 0.4863
BLM WT + RPC32 vs BLM C250T + Vector	-0.376	3.299	P > 0.05	-0.9063 to 0.1544
BLM WT + TERT DN vs BLM WT + TERT WT	0.07201	0.632	P > 0.05	-0.4583 to 0.6023
BLM WT + TERT DN vs BLM C250T + Vector	-0.2599	2.281	P > 0.05	-0.7902 to 0.2704
BLM WT + TERT WT vs BLM C250T + Vector	-0.3319	2.913	P > 0.05	-0.8622 to 0.1984
Figure 8B				
Table Analyzed	Data 1			
Column A	PyMT Tert WT tRNA			
vs				
Column B	PyMT TERT KO tRNA			
Unpaired t test				
P value	0.0042			
P value summary	**			
Are means signif. different? (P < 0.05)	Yes			
One- or two-tailed P value?	Two-tailed			
t, df	t=5.871 df=4			
How big is the difference?				
Mean ± SEM of column A	1.361 ± 0.1413 N=3			
Mean ± SEM of column B	0.3533 ± 0.09757 N=3			
Difference between means	1.008 ± 0.1717			
95% confidence interval	0.5314 to 1.485			
R squared	0.896			
F test to compare variances				
F,DFn, Dfd	2.098, 2, 2			
P value	0.3228			
P value summary	ns			
Are variances significantly different?	No			
Figure S7A				
Table Analyzed				
Data 1				
One-way analysis of variance				
P value	0.0002			
P value summary	***			
Are means signif. different? (P < 0.05)	Yes			
Number of groups	5			
F	11.01			
R squared	0.7459			
ANOVA Table	SS	df	MS	
Treatment (between columns)	3337000	4	834300	
Residual (within columns)	1137000	15	75780	
Total	4474000	19		
Tukey's Multiple Comparison Test	Mean Diff.	q	P value	95% CI of diff
shControl Day 4 vs shTERT3 Day 4	1265	9.191	P < 0.001	663.9 to 1866
shControl Day 4 vs shTERT3 + TERT Day 4	494	3.589	P > 0.05	-107.1 to 1095
shControl Day 4 vs shTERT3 + TERT DN Day 4	434	3.153	P > 0.05	-167.1 to 1035
shControl Day 4 vs shTERT3 + RPC32 Day 4	478	3.473	P > 0.05	-123.1 to 1079
shTERT3 Day 4 vs shTERT3 + TERT Day 4	-771	5.602	P < 0.01	-1372 to -169.9
shTERT3 Day 4 vs shTERT3 + TERT DN Day 4	-831	6.037	P < 0.01	-1432 to -229.9
shTERT3 Day 4 vs shTERT3 + RPC32 Day 4	-787	5.718	P < 0.01	-1388 to -185.9
shTERT3 + TERT Day 4 vs shTERT3 + TERT DN Day 4	-60	0.4359	P > 0.05	-661.1 to 541.1
shTERT3 + TERT Day 4 vs shTERT3 + RPC32 Day 4	-16	0.1162	P > 0.05	-617.1 to 585.1
shTERT3 + TERT DN Day 4 vs shTERT3 + RPC32 Day 4	44	0.3197	P > 0.05	-557.1 to 645.1

Figure S7B				
Table Analyzed				
Data 1				
One-way analysis of variance				
P value		0.0001		
P value summary	***			
Are means signif. different? (P < 0.05)	Yes			
Number of groups		5		
F		12.66		
R squared		0.7715		
ANOVA Table				
	SS	df	MS	
Treatment (between columns)	7639000	4	1910000	
Residual (within columns)	2263000	15	150800	
Total	9902000	19		
Tukey's Multiple Comparison Test				
	Mean Diff.	q	P value	95% CI of diff
shControl Day 4 vs shTERT3 Day 4	1752	9.022	P < 0.001	904.0 to 2600
shControl Day 4 vs shTERT3 + TERT Day 4	246	1.267	P > 0.05	-602.0 to 1094
shControl Day 4 vs shTERT3 + TERT DN Day 4	319	1.643	P > 0.05	-529.0 to 1167
shControl Day 4 vs shTERT3 + RPC32 Day 4	738	3.8	P > 0.05	-110.0 to 1586
shTERT3 Day 4 vs shTERT3 + TERT Day 4	-1506	7.755	P < 0.001	-2354 to -658.0
shTERT3 Day 4 vs shTERT3 + TERT DN Day 4	-1433	7.379	P < 0.001	-2281 to -585.0
shTERT3 Day 4 vs shTERT3 + RPC32 Day 4	-1014	5.222	P < 0.05	-1862 to -166.0
shTERT3 + TERT Day 4 vs shTERT3 + TERT DN Day 4	73	0.3759	P > 0.05	-775.0 to 921.0
shTERT3 + TERT Day 4 vs shTERT3 + RPC32 Day 4	492	2.534	P > 0.05	-356.0 to 1340
shTERT3 + TERT DN Day 4 vs shTERT3 + RPC32 Day 4	419	2.158	P > 0.05	-429.0 to 1267
Figure S7D				
Table Analyzed				
Data 1				
One-way analysis of variance				
P value		P<0.0001		
P value summary	***			
Are means signif. different? (P < 0.05)	Yes			
Number of groups		5		
F		56.03		
R squared		0.9573		
ANOVA Table				
	SS	df	MS	
Treatment (between columns)	13480	4	3370	
Residual (within columns)	601.4	10	60.14	
Total	14080	14		
Tukey's Multiple Comparison Test				
	Mean Diff.	q	P value	95% CI of diff
Control vs shTERT 3	87.9	19.63	P < 0.001	67.06 to 108.7
Control vs shTERT3 + TERT	65.4	14.61	P < 0.001	44.56 to 86.24
Control vs shTERT3 + TERT DN	68	15.19	P < 0.001	47.16 to 88.84
Control vs shTERT3 + RPC32	67	14.96	P < 0.001	46.16 to 87.84
shTERT 3 vs shTERT3 + TERT	-22.5	5.025	P < 0.05	-43.34 to -1.662
shTERT 3 vs shTERT3 + TERT DN	-19.9	4.445	P > 0.05	-40.74 to 0.9379
shTERT 3 vs shTERT3 + RPC32	-20.9	4.668	P < 0.05	-41.74 to -0.06207
shTERT3 + TERT vs shTERT3 + TERT DN	2.6	0.5807	P > 0.05	-18.24 to 23.44
shTERT3 + TERT vs shTERT3 + RPC32	1.6	0.3573	P > 0.05	-19.24 to 22.44
shTERT3 + TERT DN vs shTERT3 + RPC32	-1	0.2233	P > 0.05	-21.84 to 19.84
Figure S8B				
Table Analyzed				
Data 1				
One-way analysis of variance				
P value		P<0.0001		
P value summary	***			
Are means signif. different? (P < 0.05)	Yes			
Number of groups		4		
F		54.56		
R squared		0.9534		
ANOVA Table				
	SS	df	MS	
Treatment (between columns)	0.8972	3	0.2991	
Residual (within columns)	0.04385	8	0.005482	
Total	0.9411	11		
Tukey's Multiple Comparison Test				
	Mean Diff.	q	P value	95% CI of diff
BLM WT vs BLM WT + TERT	-0.3048	7.132	P < 0.01	-0.4984 to -0.1113
BLM WT vs BLM WT + TERT 346-925	0.001115	0.02609	P > 0.05	-0.1925 to 0.1947
BLM WT vs BLM C250T	-0.6633	15.52	P < 0.001	-0.8569 to -0.4697
BLM WT + TERT vs BLM WT + TERT 346-925	0.306	7.158	P < 0.01	0.1124 to 0.4996
BLM WT + TERT vs BLM C250T	-0.3584	8.385	P < 0.01	-0.5520 to -0.1648
BLM WT + TERT 346-925 vs BLM C250T	-0.6644	15.54	P < 0.001	-0.8580 to -0.4708

Uncut blots for Figure 1G-H

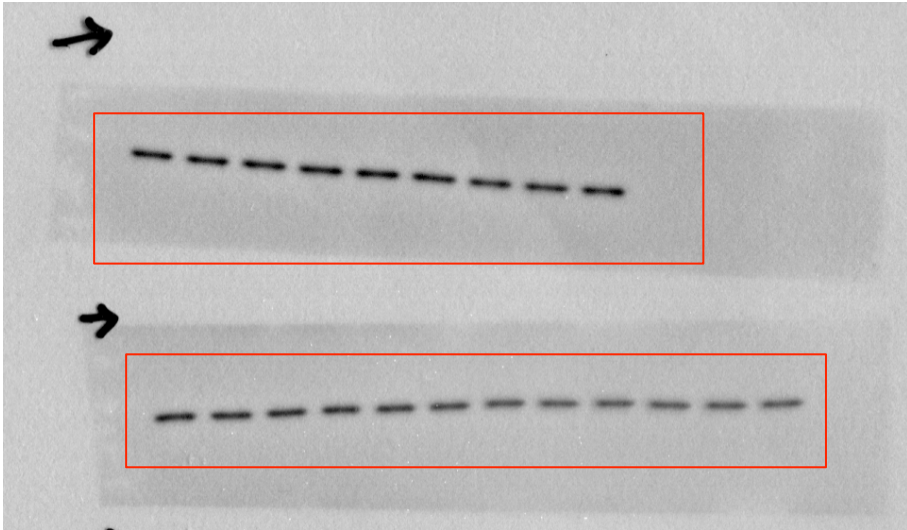
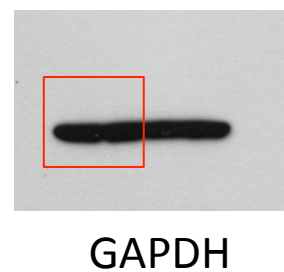
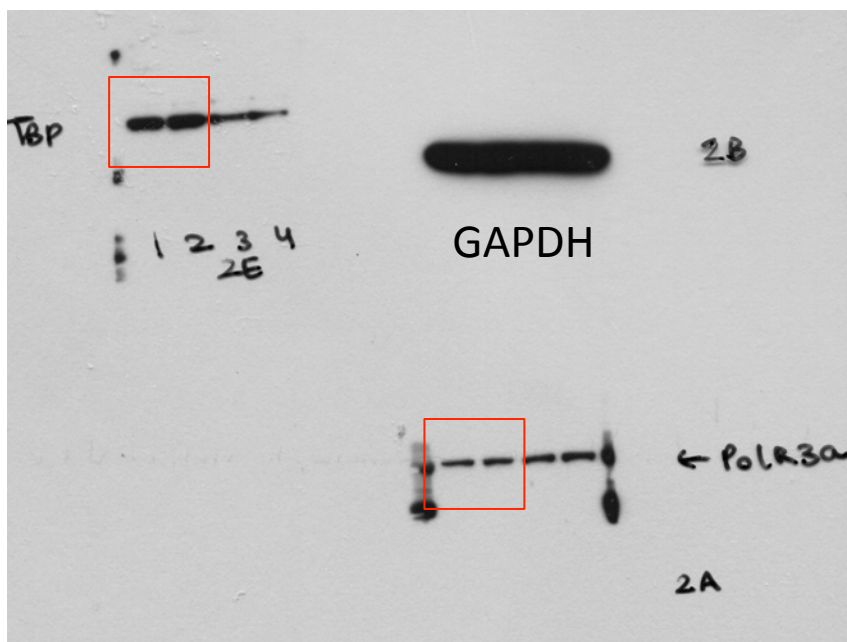
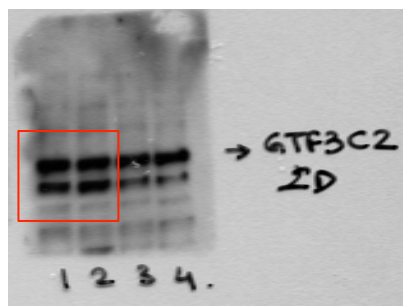
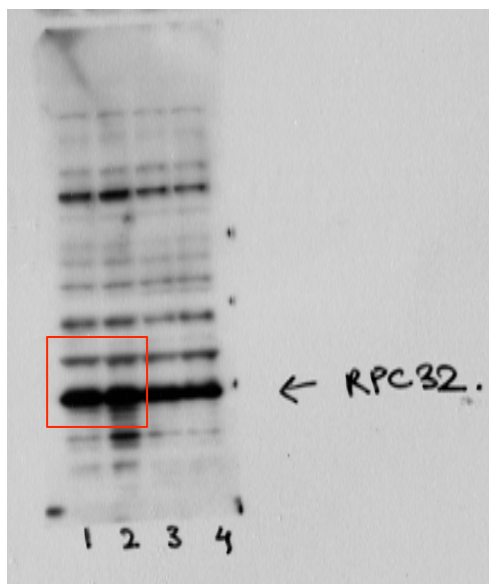


Figure 1H

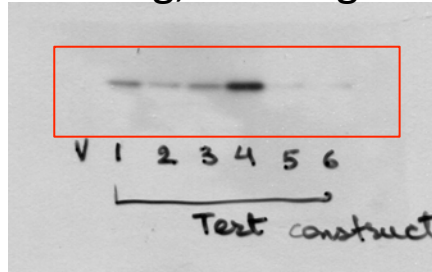
Figure 1G

Uncut blots for Figure 5

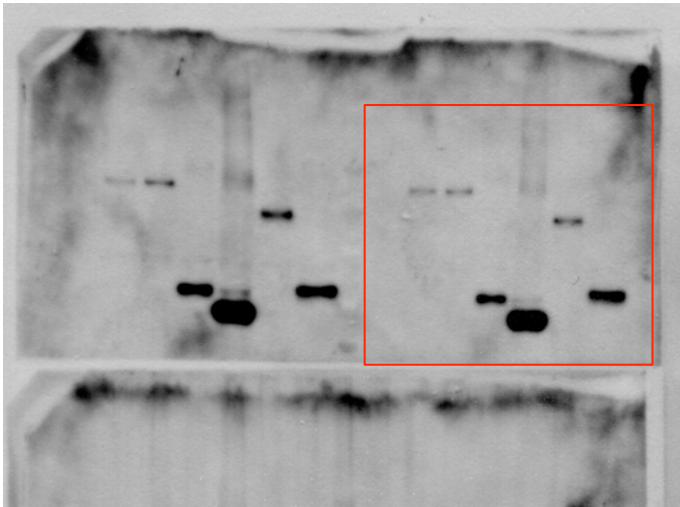


Uncut blots for Figure 6C

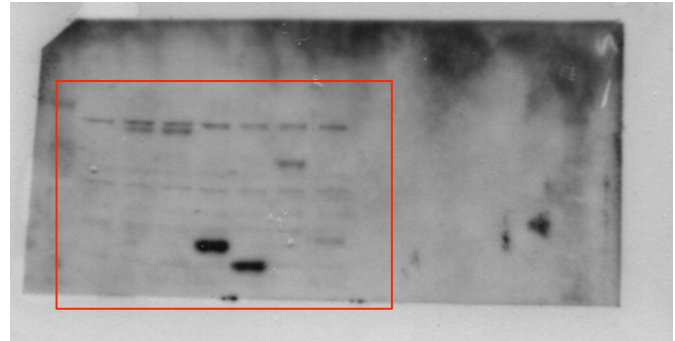
IP Flag; WB:Flag



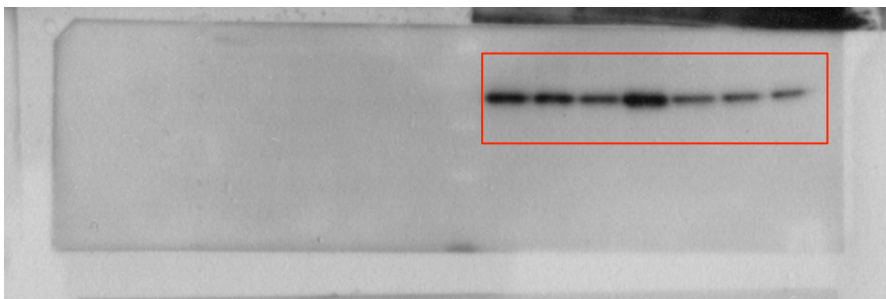
IP Flag; WB:HA



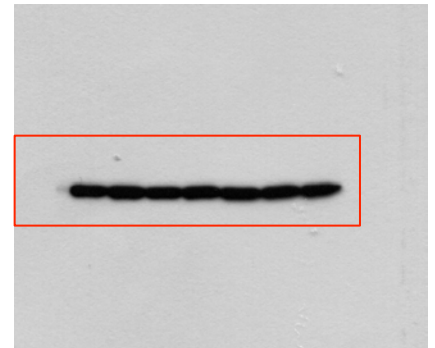
Input; WB:Flag



Input; WB:HA



Input; WB:GAPDH



Uncut blots for Figure 6E-6F

Figure 6E Coomassie gel

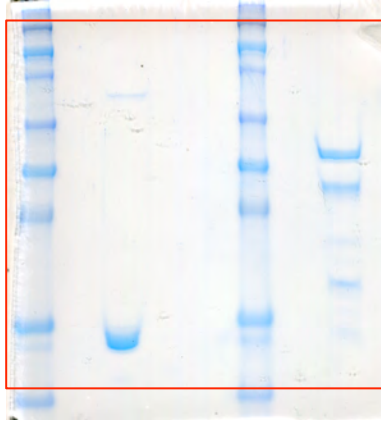


Figure 6F

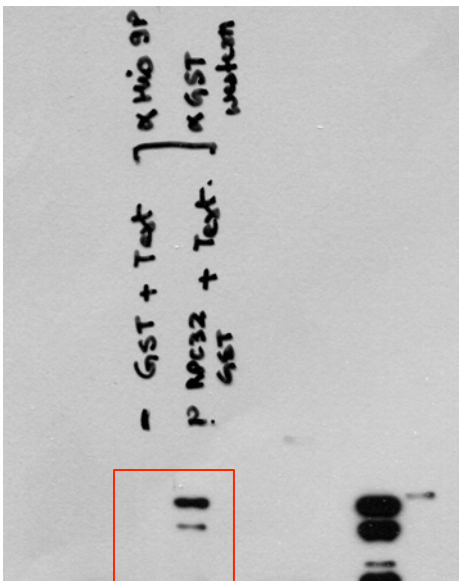
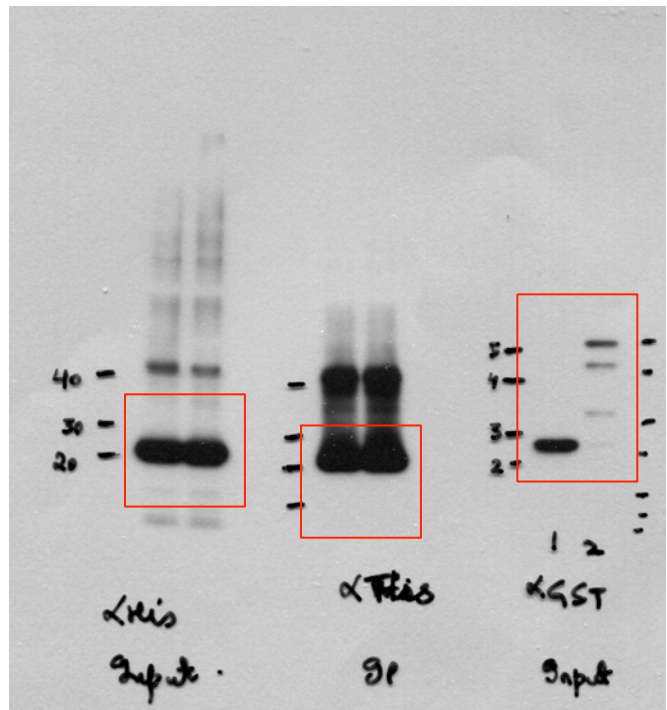


Figure 6F



Uncut blots for figure 6G-H

Figure 6G

Figure 6H

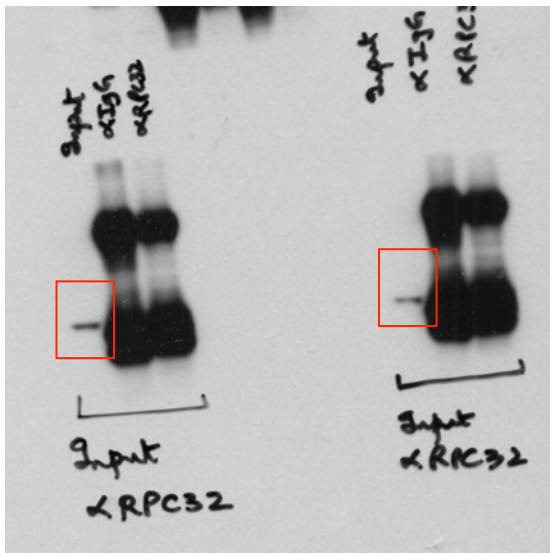


Figure 6G

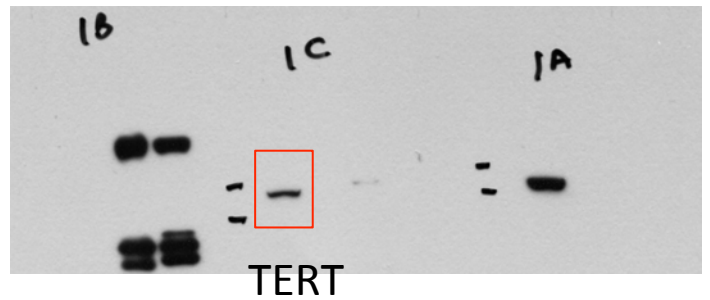


Figure 6H

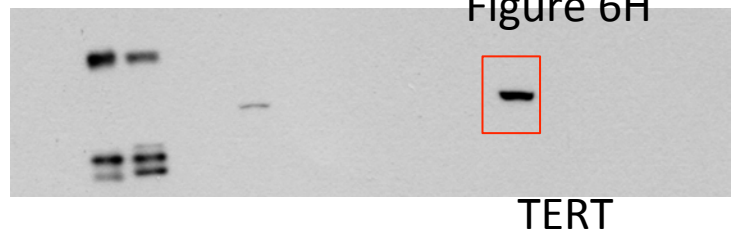


Figure 6G

Figure 6H

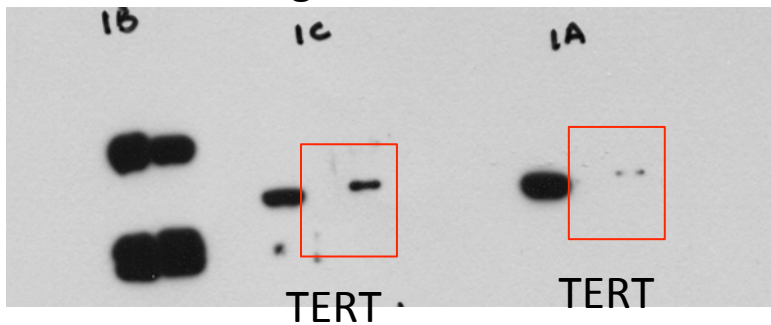


Figure 6G



Figure 6H

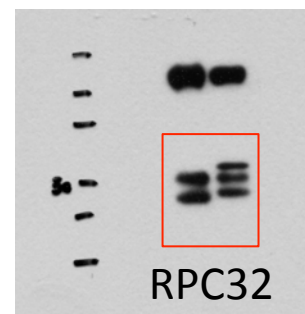


Figure 6G

Figure 6H

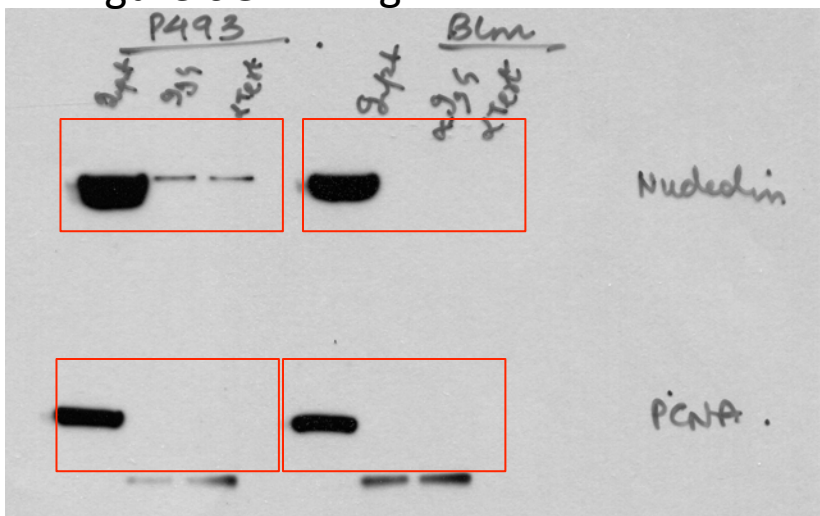
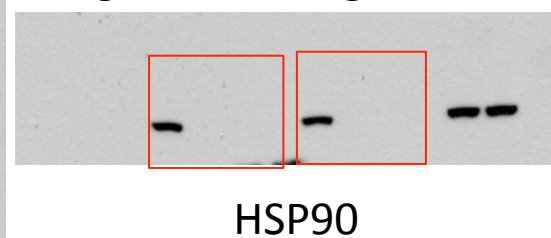
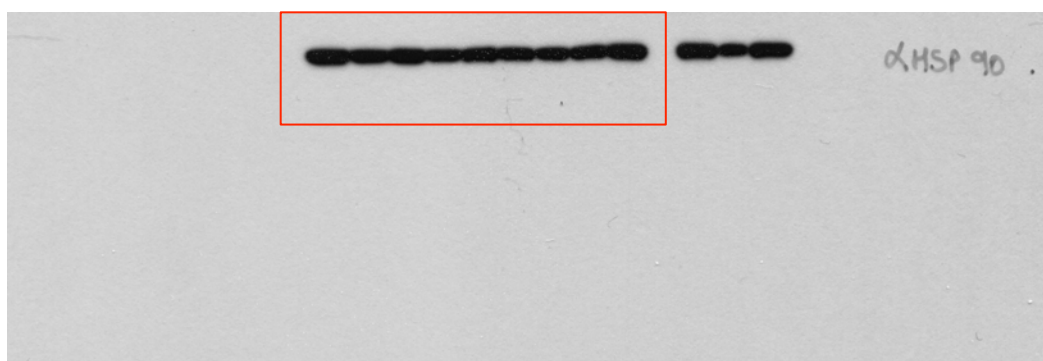
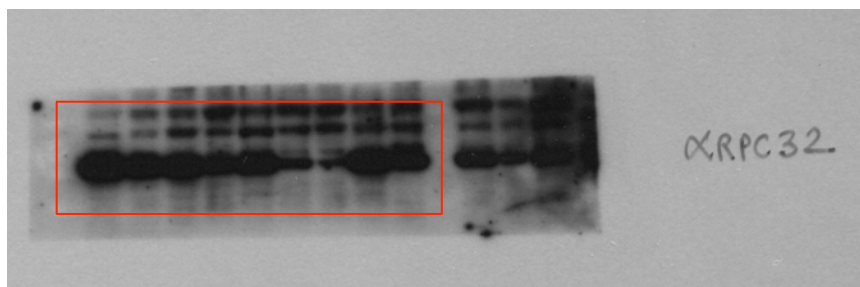
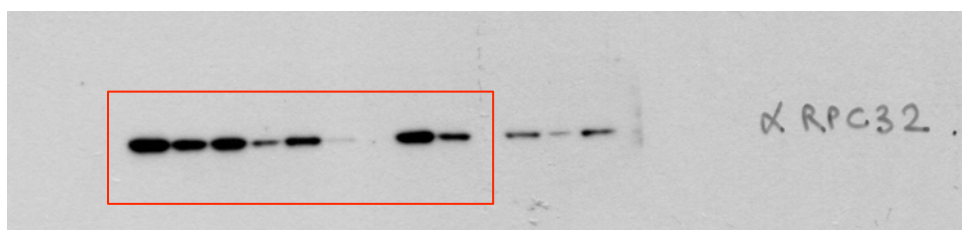


Figure 6G

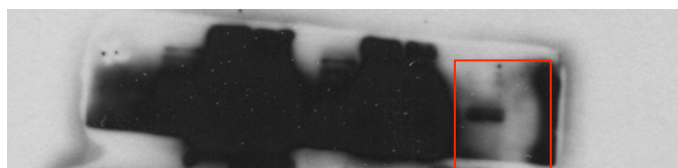
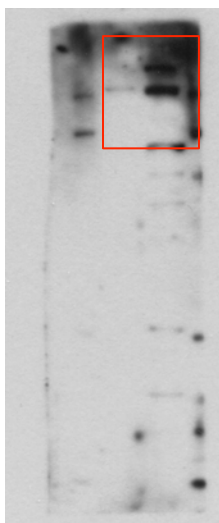
Figure 6H



Uncut blots for Figure S6B



Uncut blots for Figure S6C



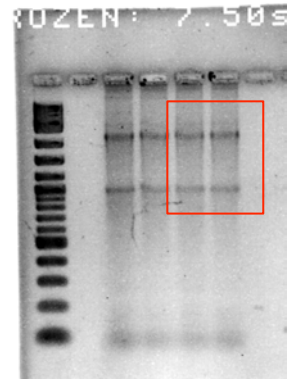
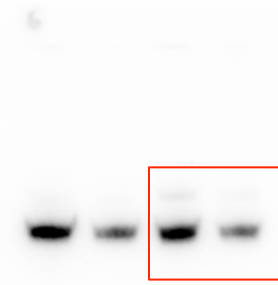
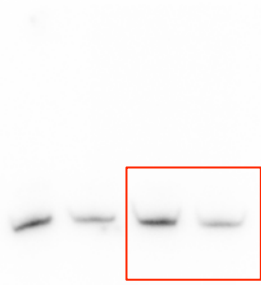
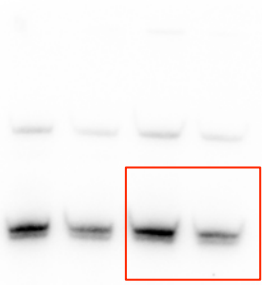
Uncut blots for figure 4C

tRNA Ala

tRNA Asn

tRNA Cys

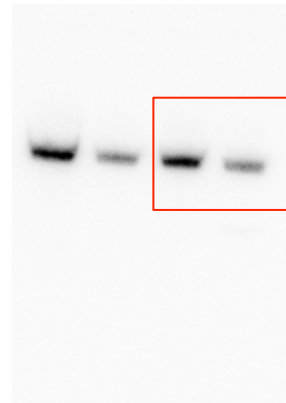
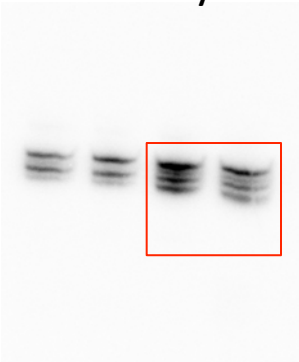
rRNA



tRNA Lys

tRNA Arg CCG

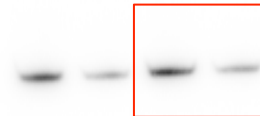
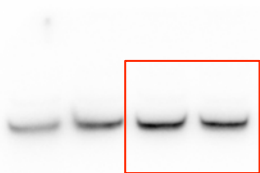
tRNA Arg CCT



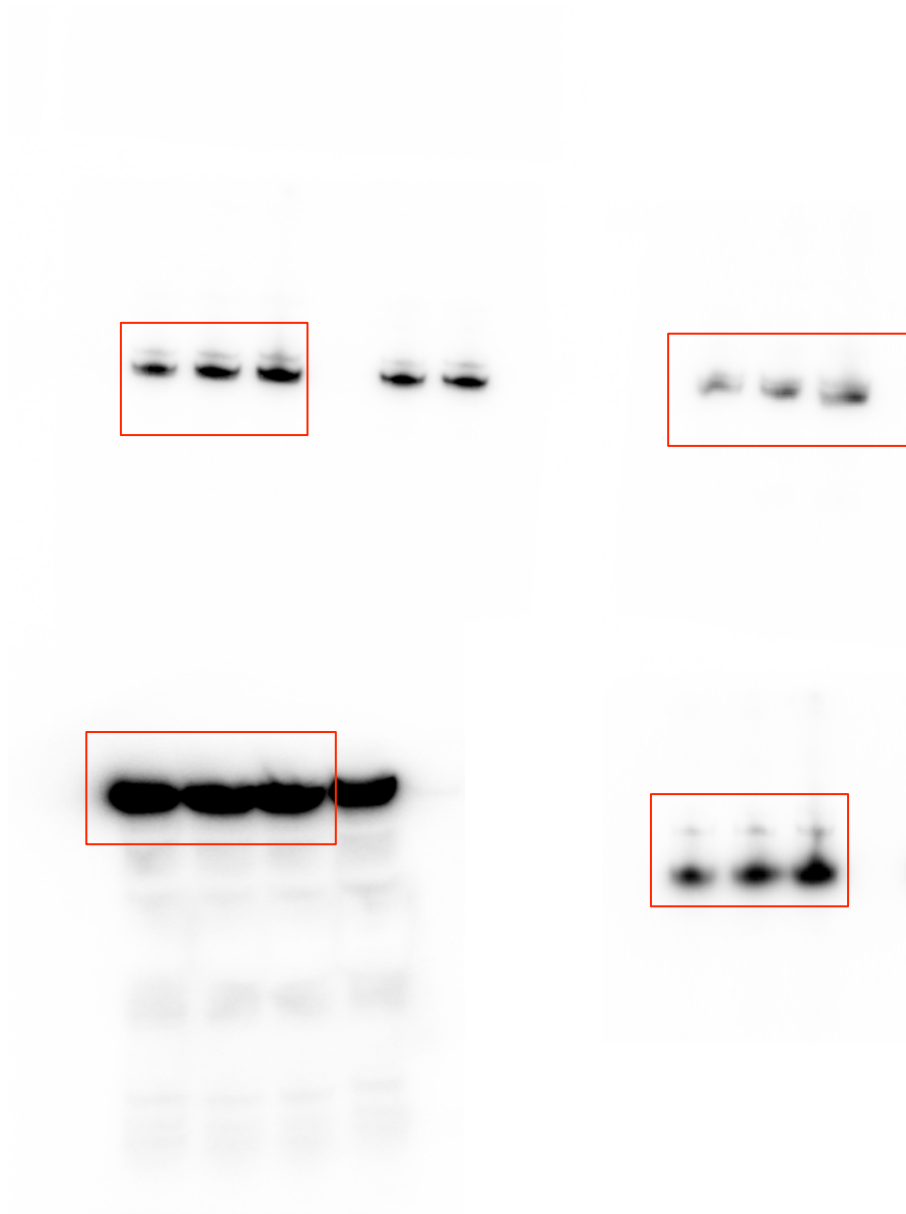
U2

tRNA thr

tRNA Glu

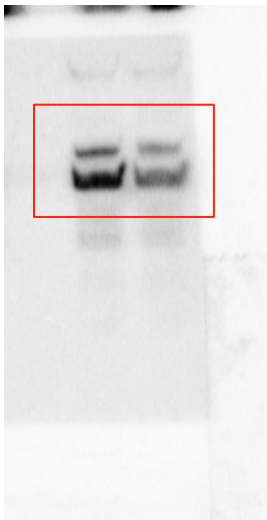


Uncut blots for figure 4E



Uncut blots for figure 4D

tRNA Arg CCT



tRNA Arg CCG



U2 RNA

